

# **OE ENERGY MARKET SNAPSHOT**

## **Midwest States Version – May 2008 Data**

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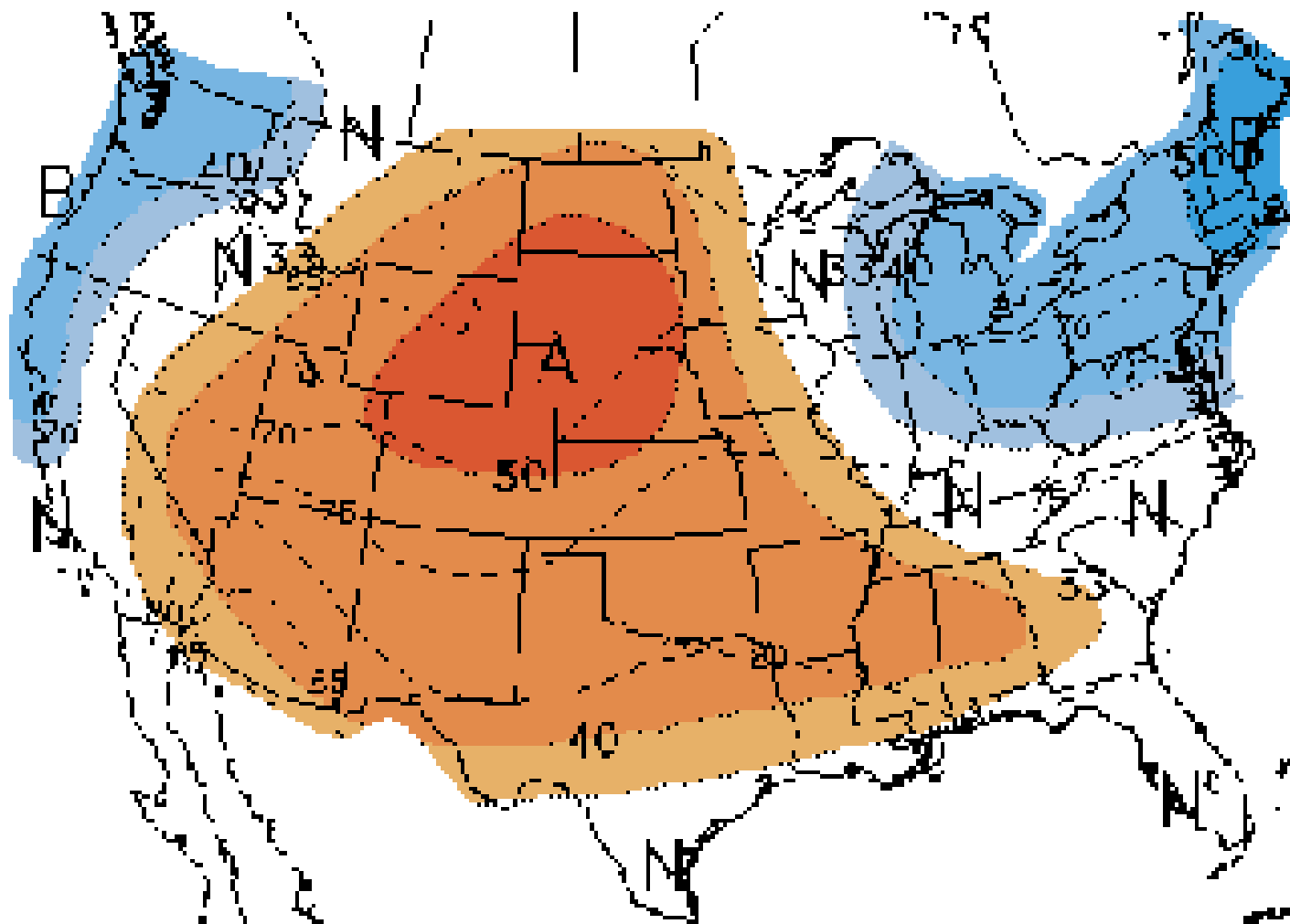
- **Market Fundamentals**
- **Prices and Market Analysis**

Office of Enforcement  
Federal Energy Regulatory Commission  
June 2008

A decorative graphic consisting of several red lines. A vertical line on the left side is intersected by a horizontal line that spans across the page. The lines have a slight blur or motion effect.

# Market Fundamentals

## NOAA's 8 to 14 Day Temperature Forecast Made June 9, Valid for June 17 – 23, 2008

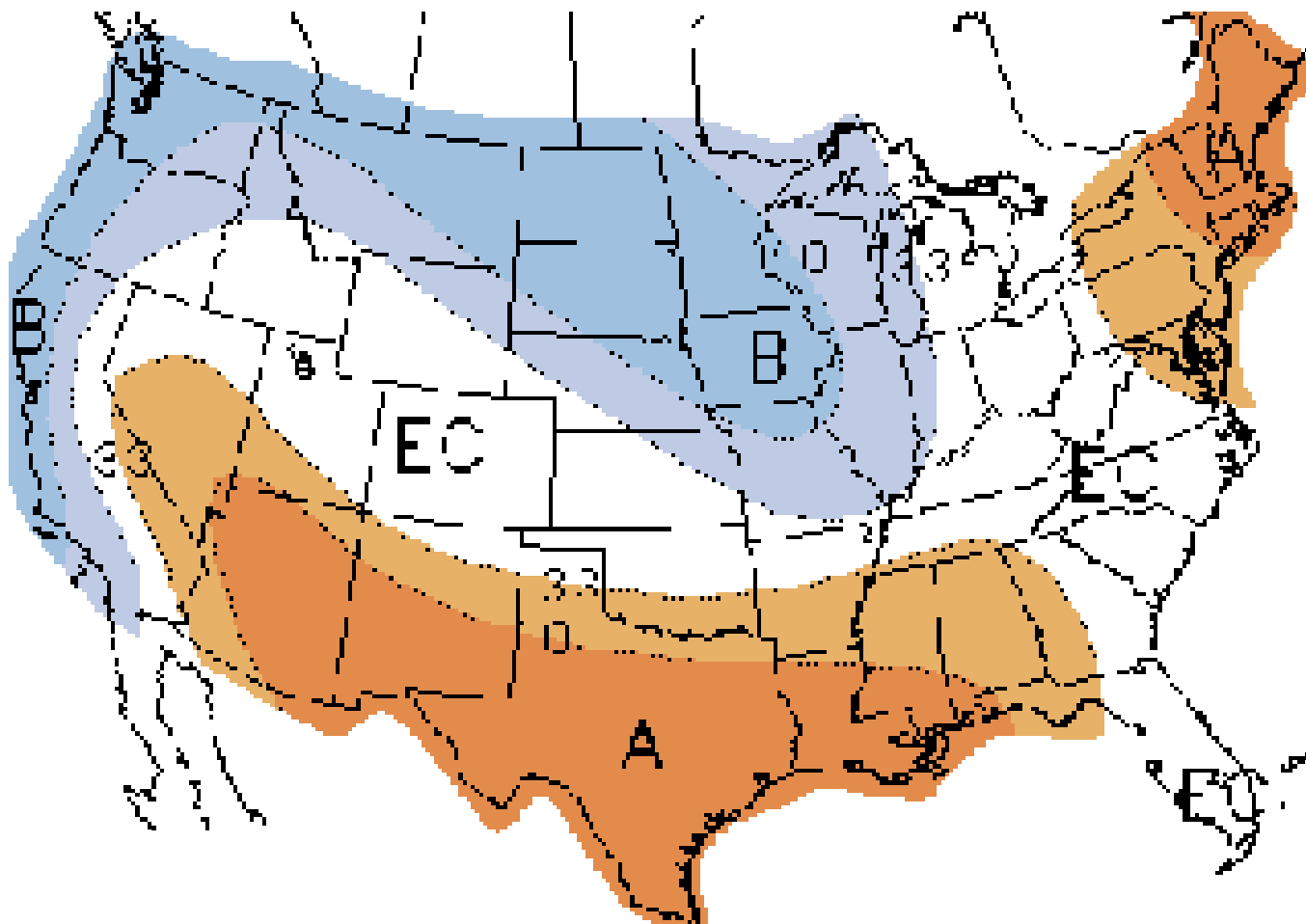


Note: "A" areas are above normal and "B" areas are below normal. Normal is based on the last 30 years of data.

Source: NOAA

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## NOAA's Monthly Temperature Forecast Made May 31, Valid for June 2008

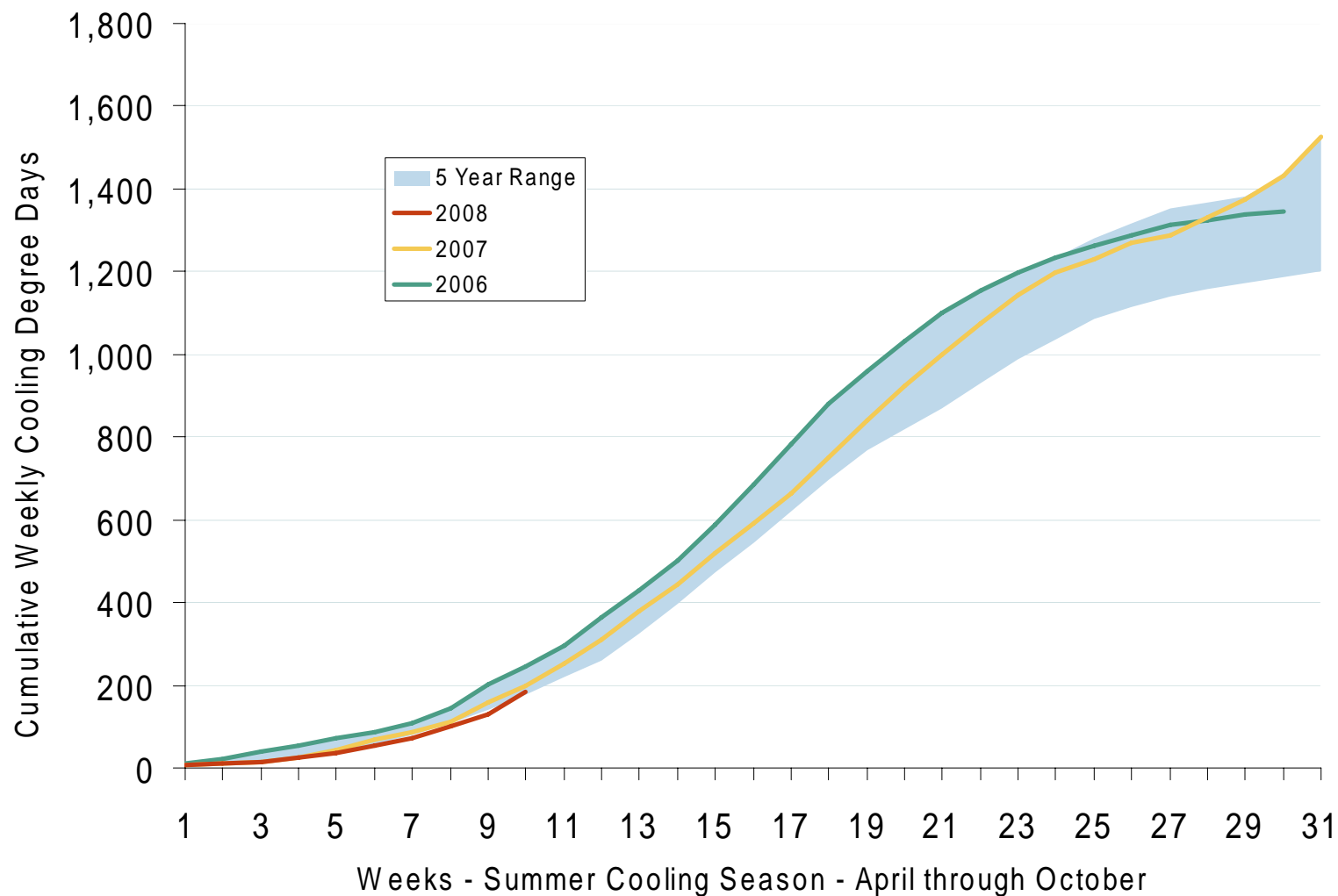


Note: "A" areas are above normal, "B" areas are below normal and "EC" means equal chance. Normal is based on the last 30 years of data.

Source: NOAA

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## U. S. Summer Cumulative Cooling Degree Days

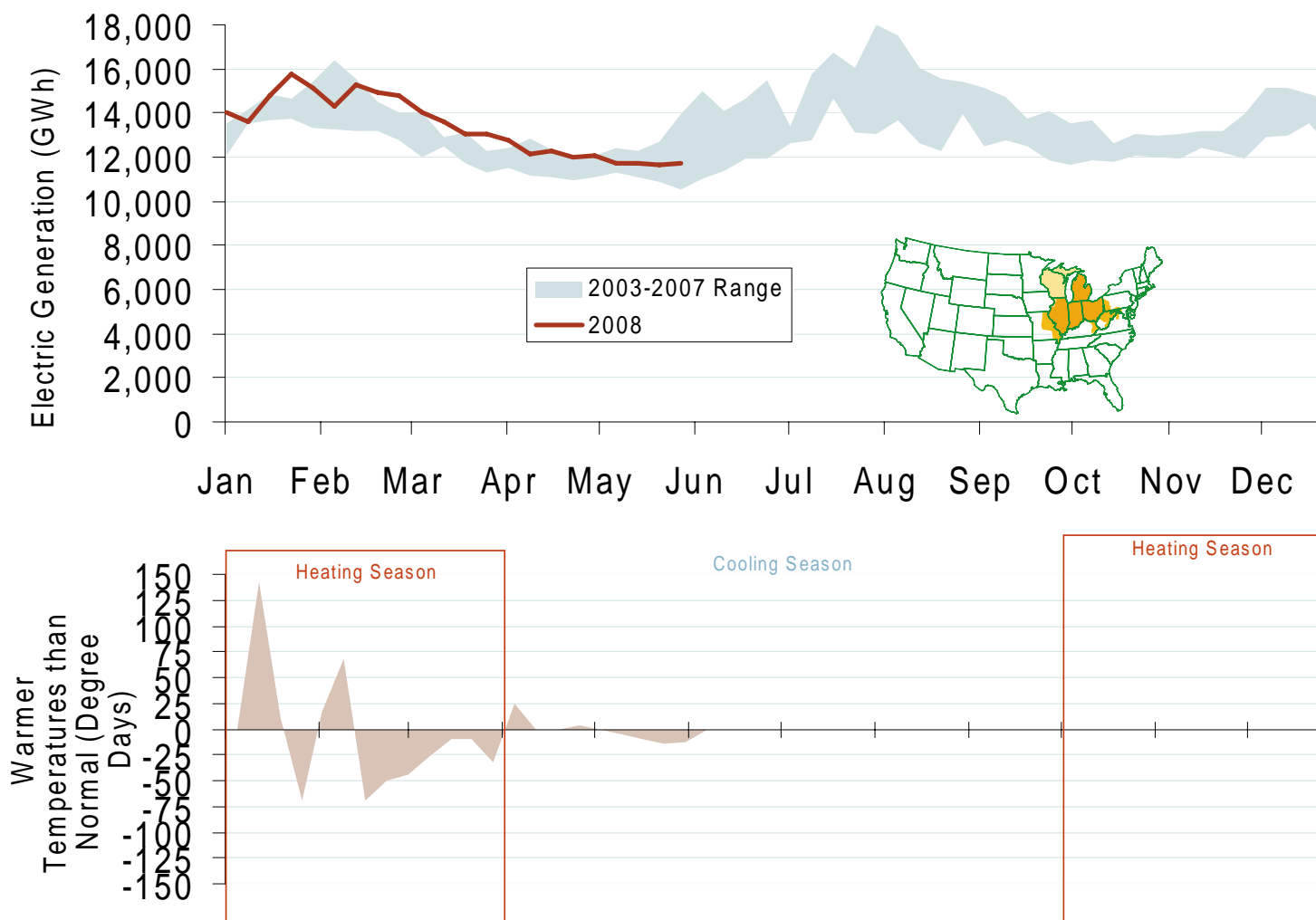


Source: Derived from NOAA data.

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3023

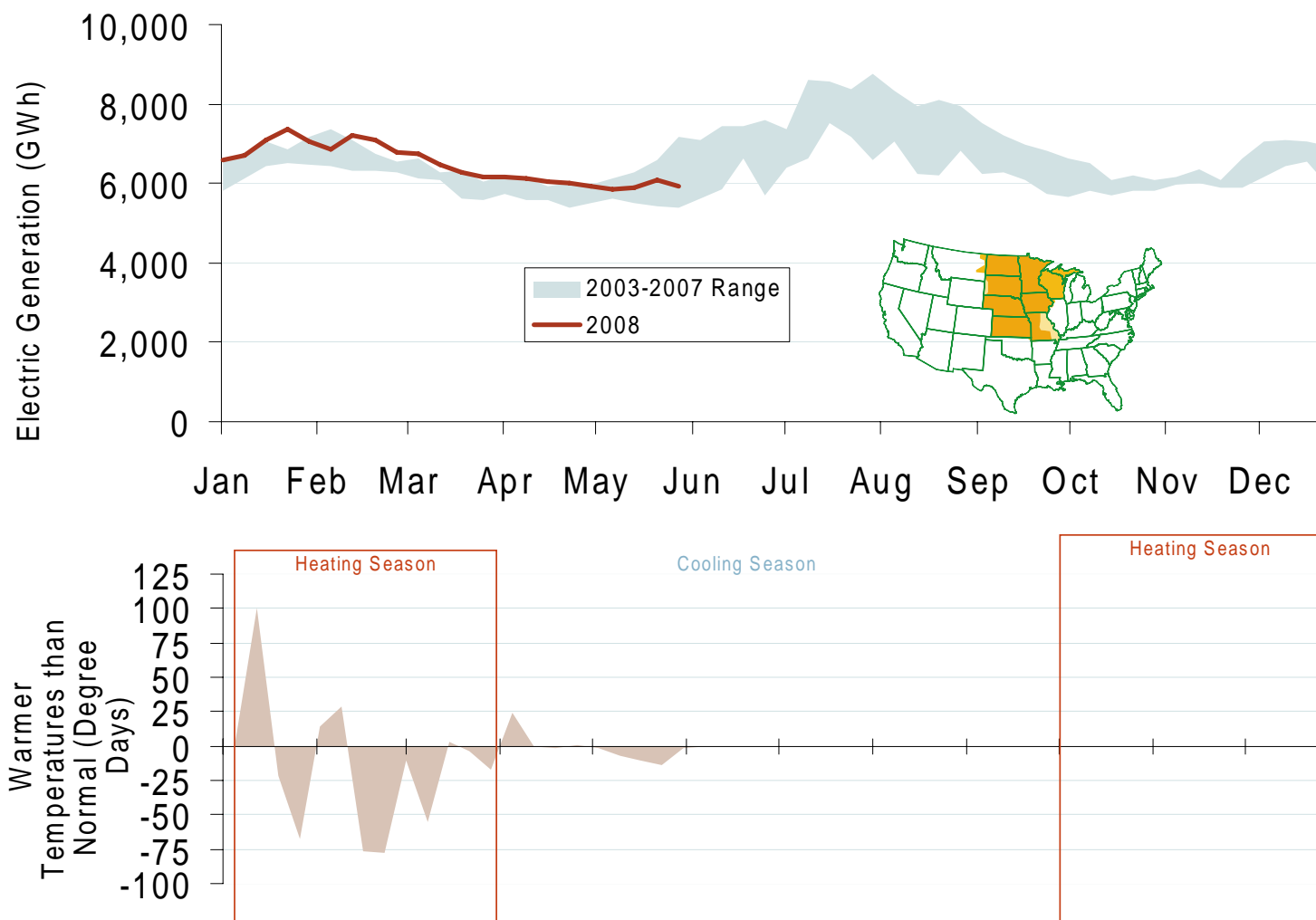
## Weekly Electric Generation Output and Temperatures Central Industrial Region

Source: Derived from *EEI* and *NOAA* data.

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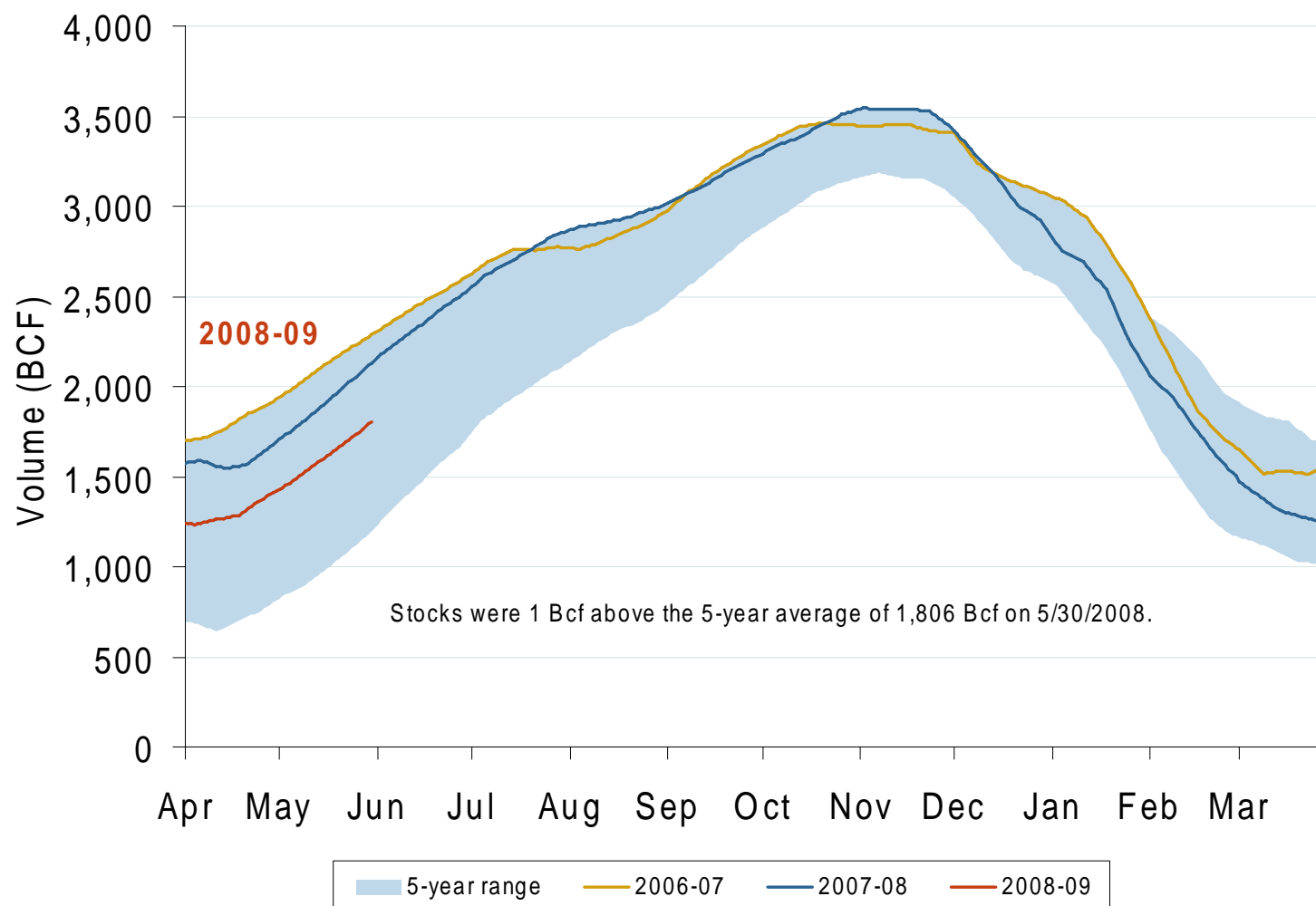
## Weekly Electric Generation Output and Temperatures West Central Region

Source: Derived from *EEI* and *NOAA* data.

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## Total U.S. Working Gas in Storage

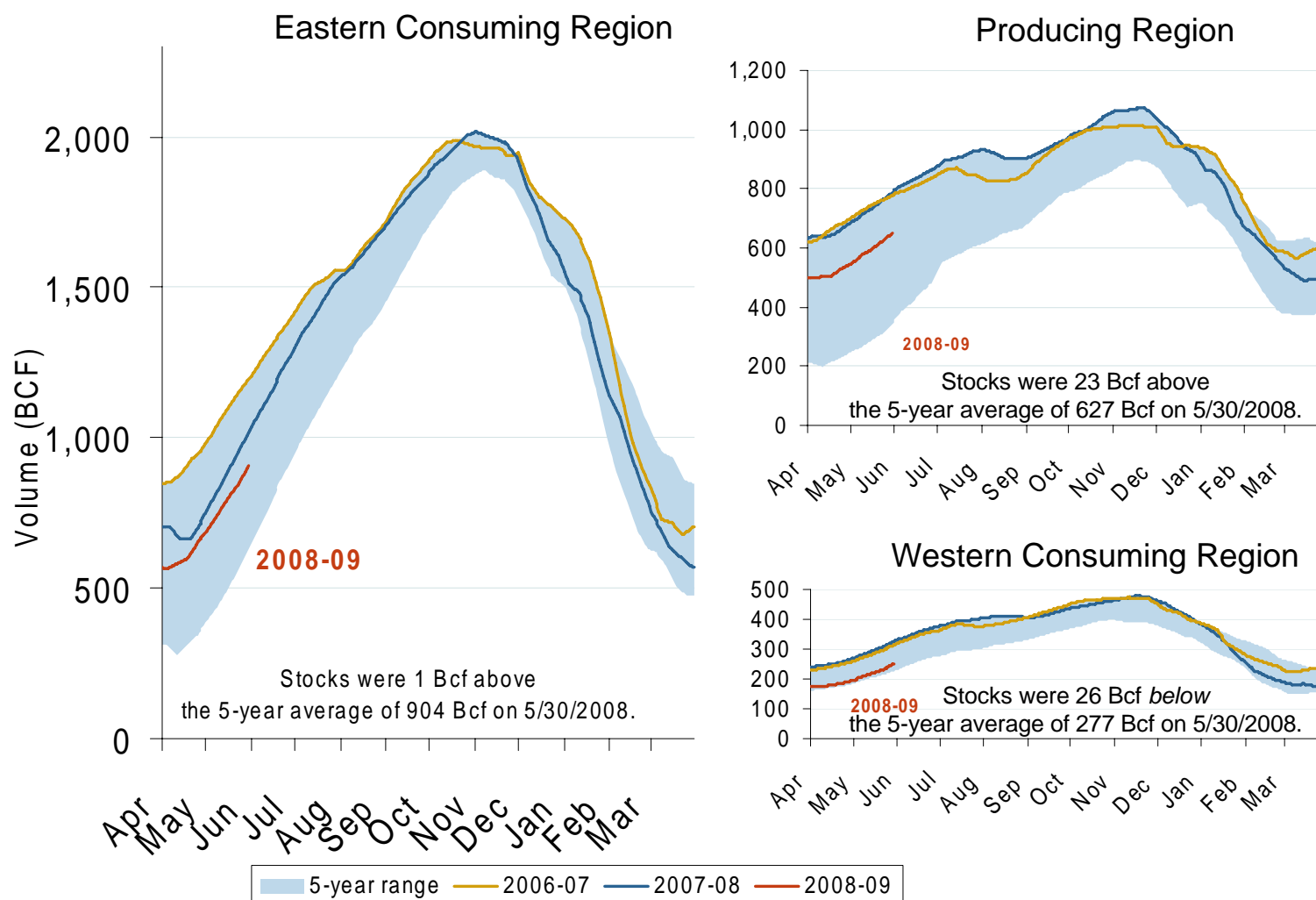


Source: Derived from EIA data.

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2003

## Regional Totals of Working Gas in Storage

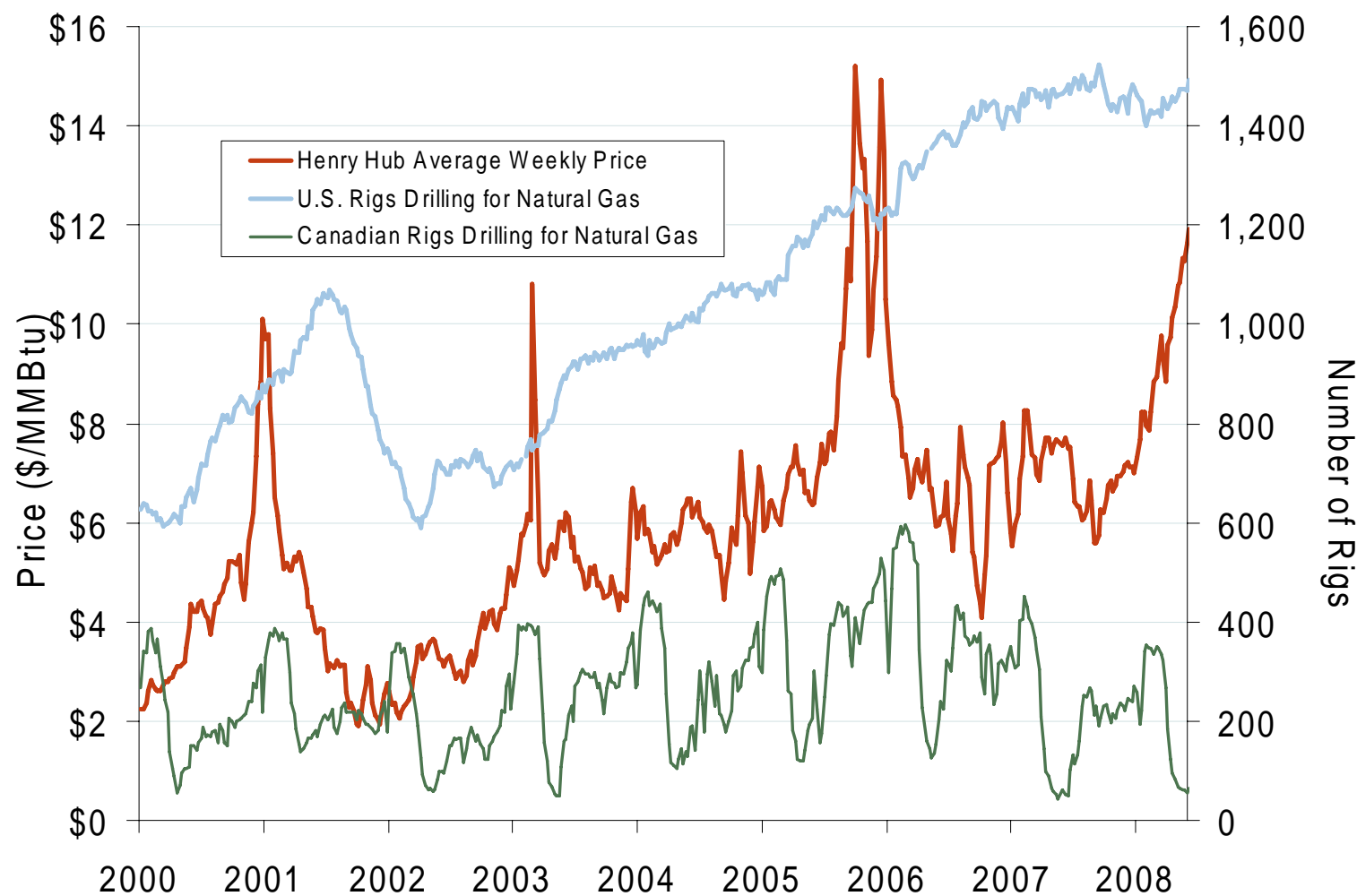


Source: Derived from EIA data.

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2004

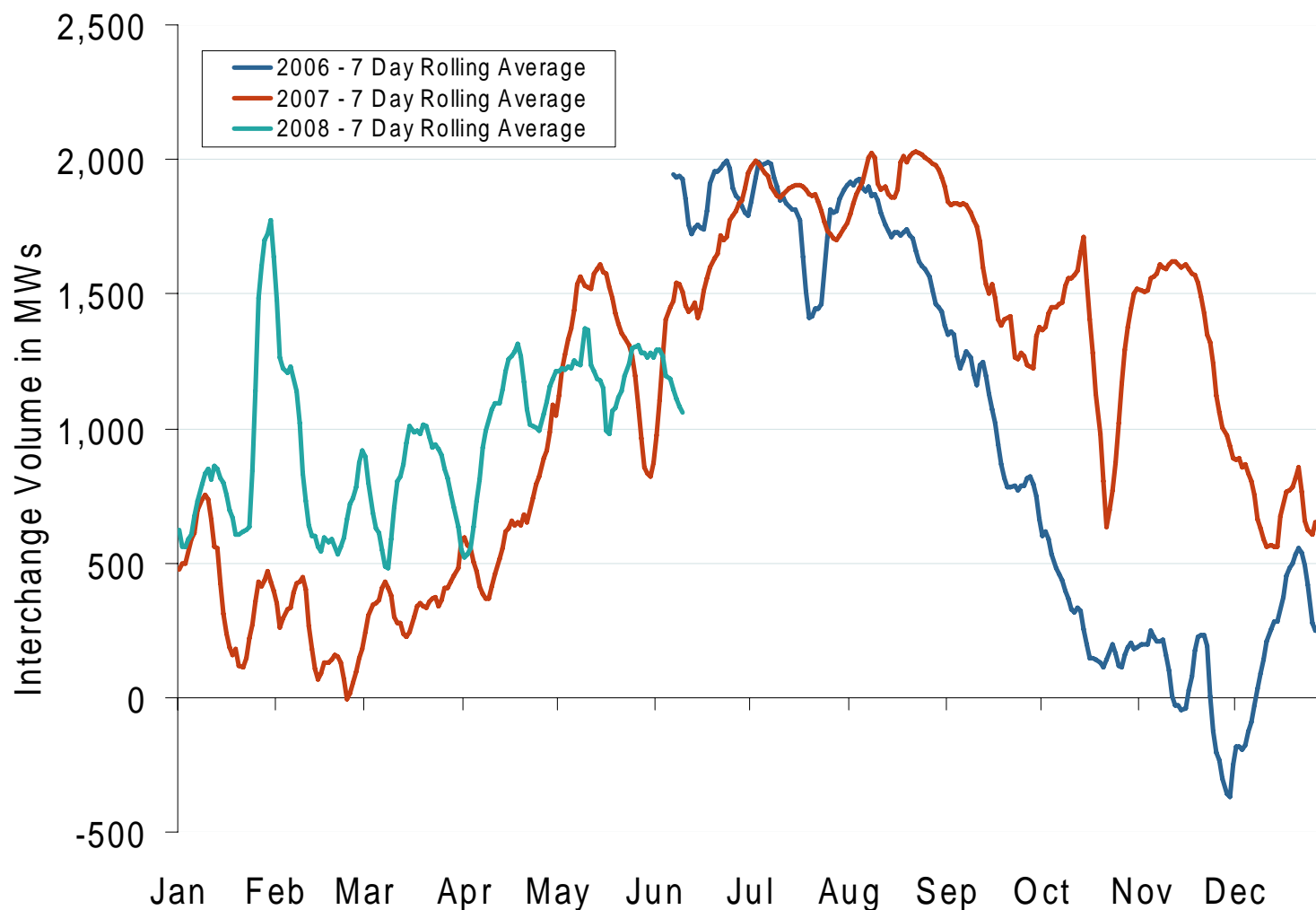
## U.S. and Canadian Natural Gas Drilling Rig Count and Daily Spot Prices



Source: Derived from *Platts* and *Baker Hughes* data.

Updated June 6, 2008 2007

## Imports into MISO from Manitoba Hydro 2006, 2007, 2008



Source: Derived from MISO data.

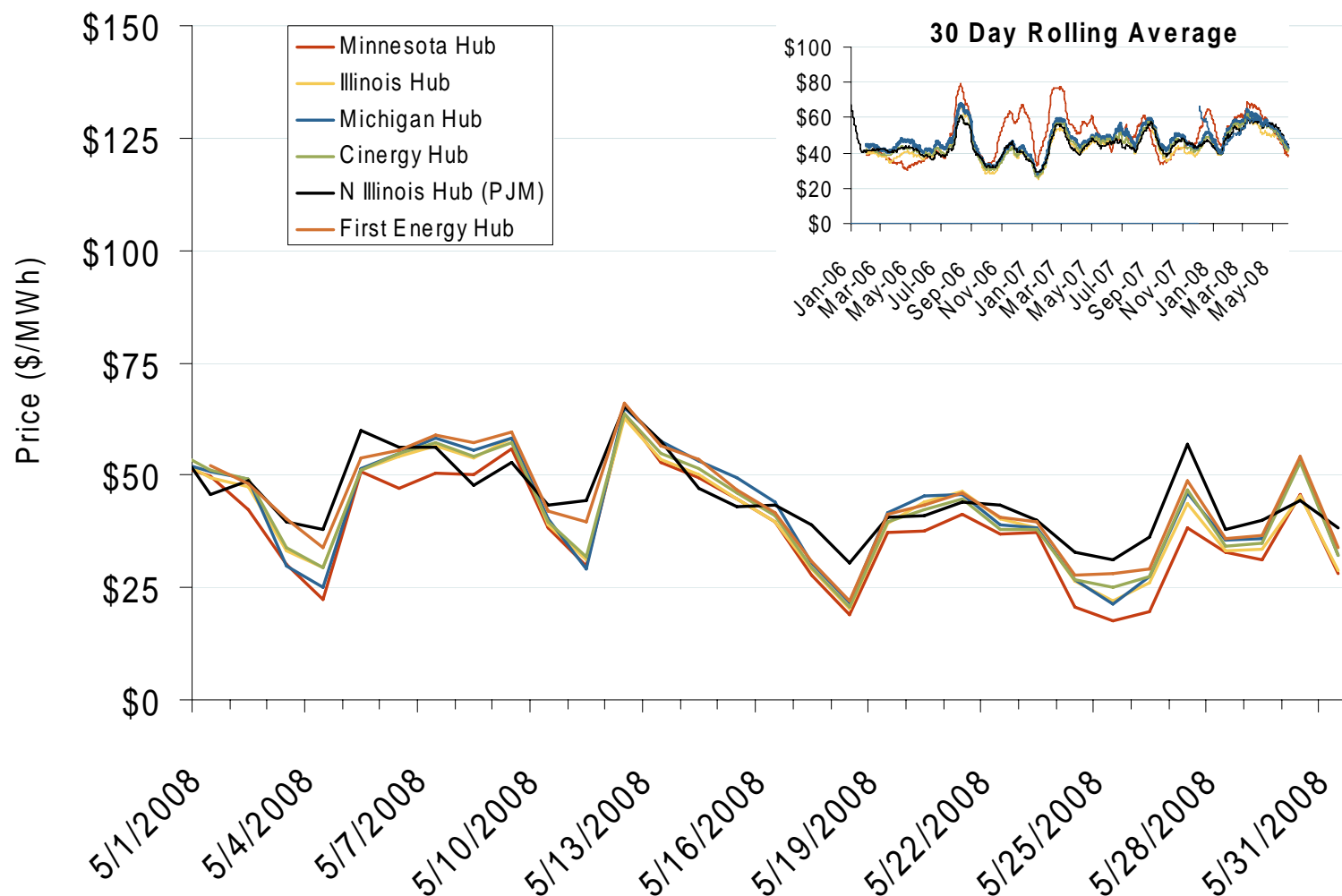
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1135

A decorative graphic consisting of several red lines. A vertical line on the left side is intersected by three horizontal lines, creating a cross-like shape. The lines have a slight blur or motion effect.

# Prices and Market Analysis

## Daily Average of MISO Day-Ahead Prices - All Hours

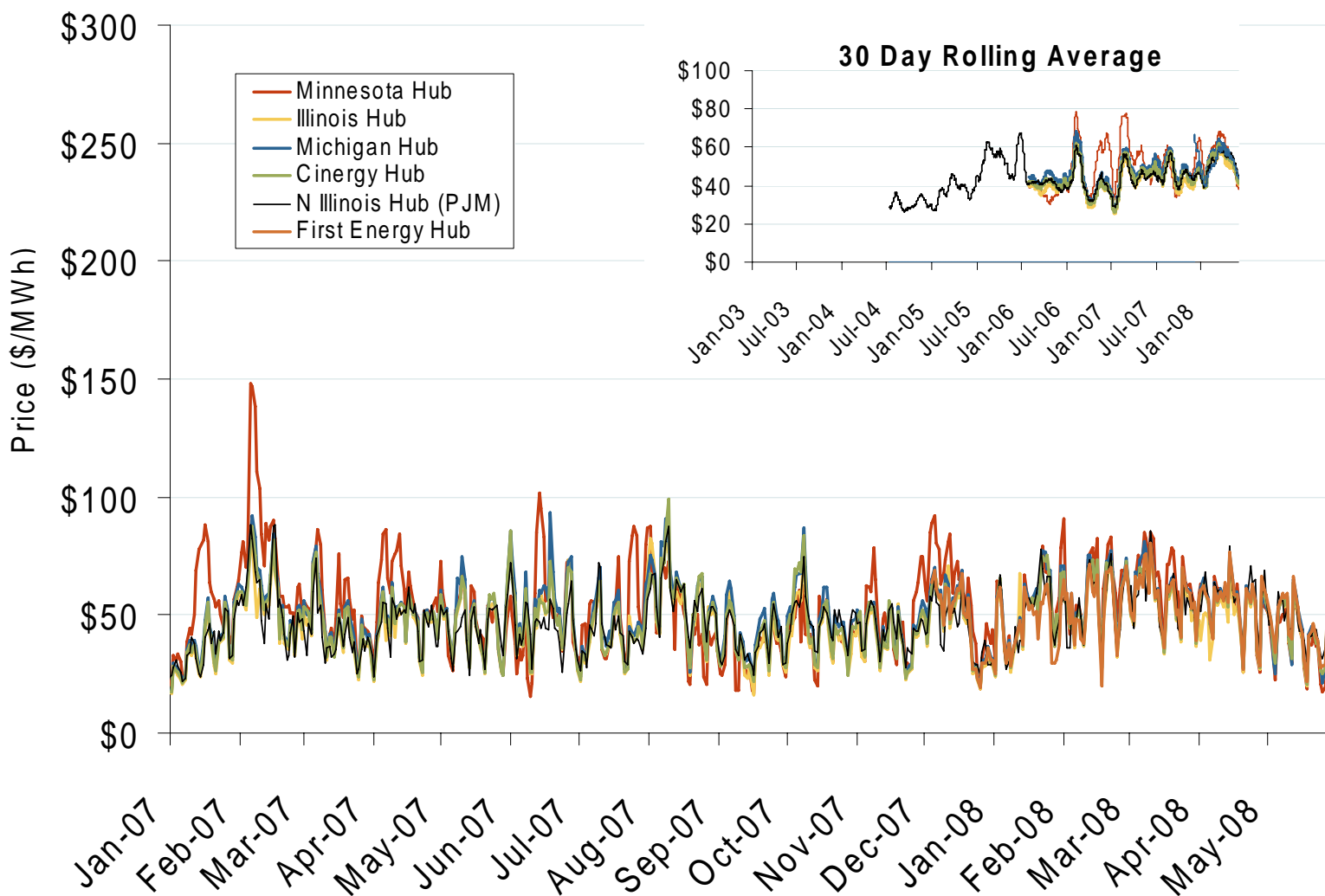


Source: Derived by *Bloomberg* from *MISO* and *PJM* data as reported by *Bloomberg*.

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## Daily Average of MISO Day-Ahead Prices - All Hours

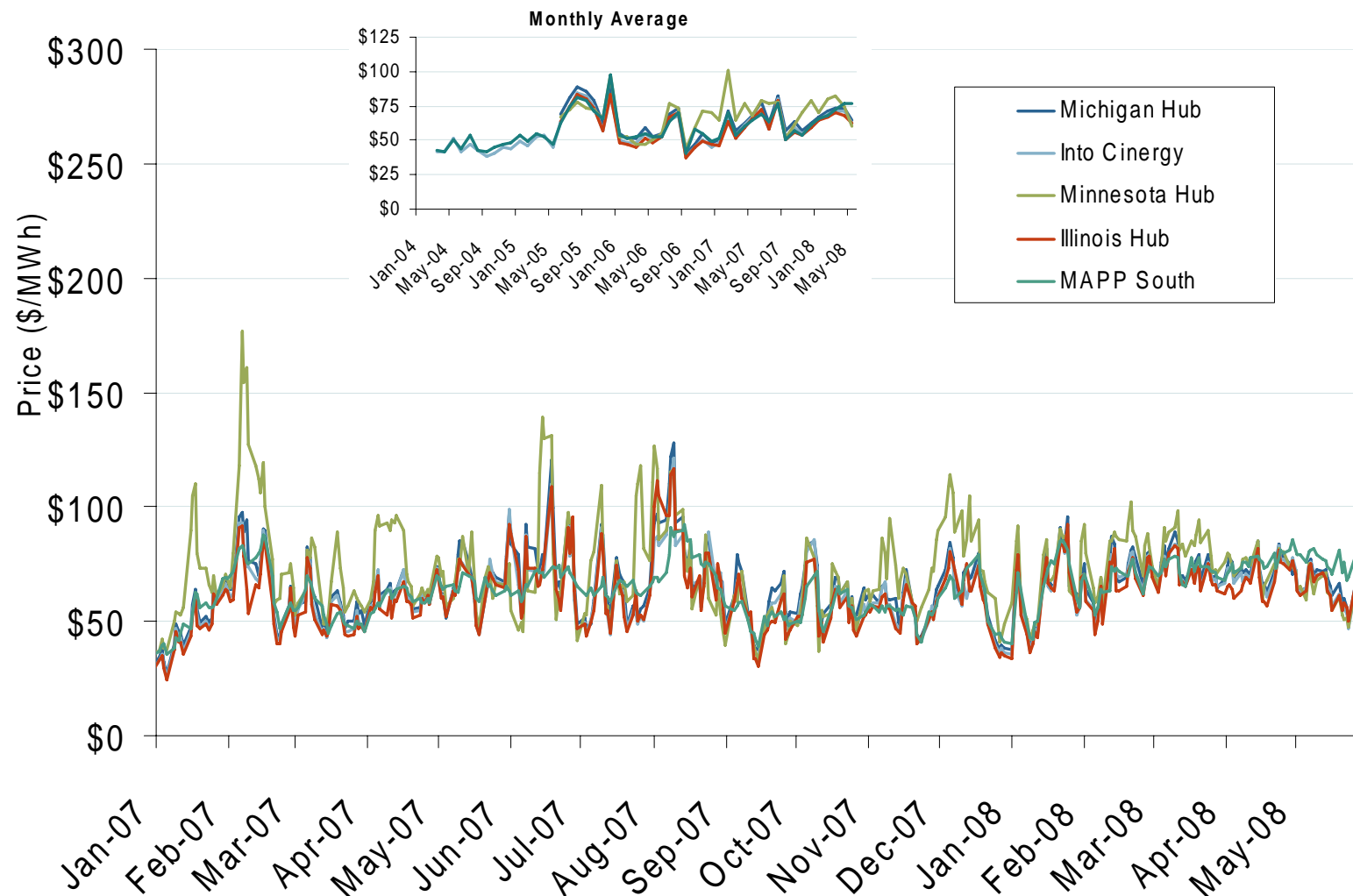


Source: Derived by *Bloomberg* from *MISO* and *PJM* data as reported by *Bloomberg*.

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## Midwestern Daily Bilateral Day-Ahead On-Peak Prices

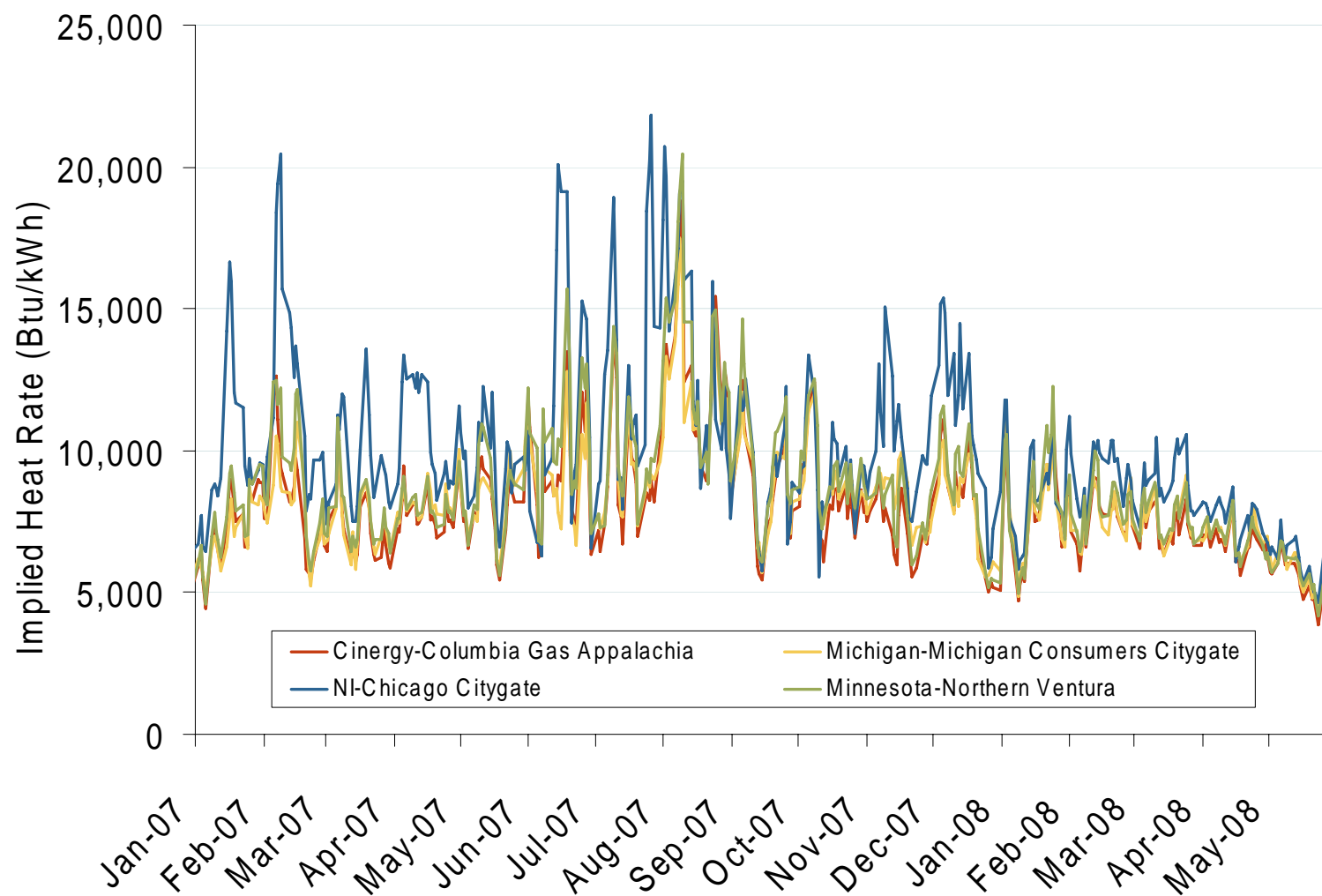


Source: Derived from *Platts* data.

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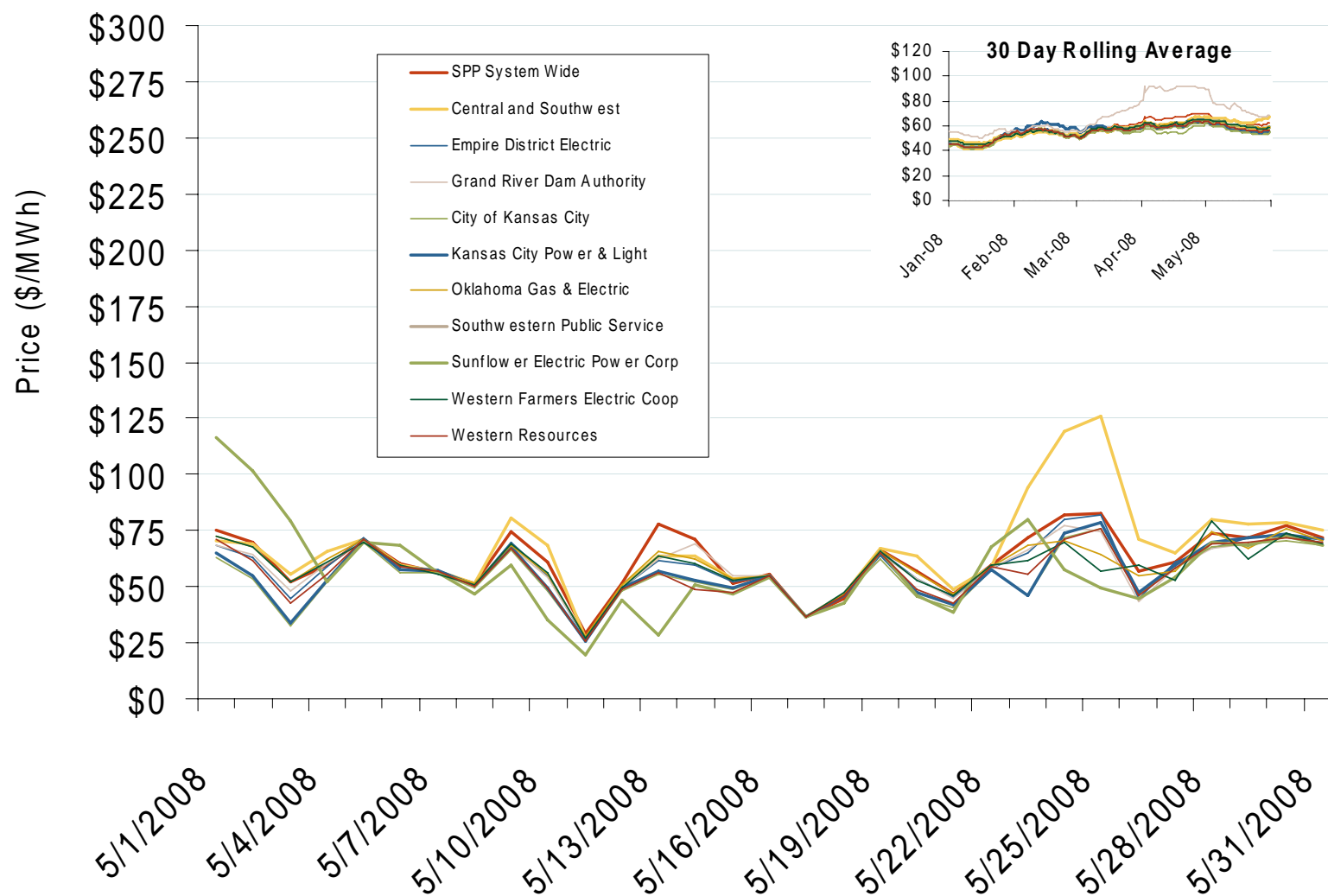
## Implied Heat Rates at MISO Hubs

Source: Derived from *Platts* data

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## Daily Average of SPP Real Time Prices - All Hours

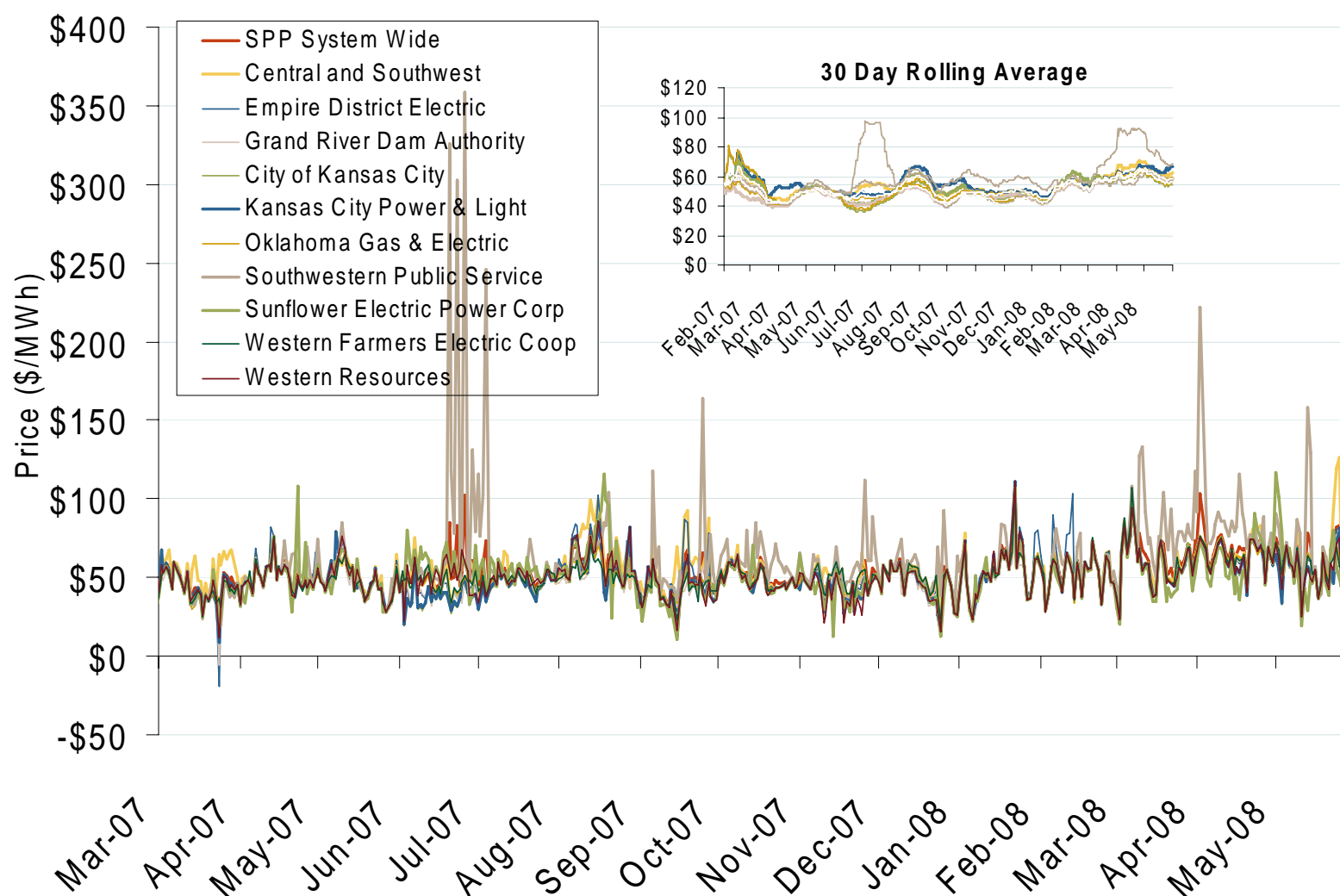


Source: Derived from SPP data.

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## Daily Average of SPP Real Time Prices - All Hours

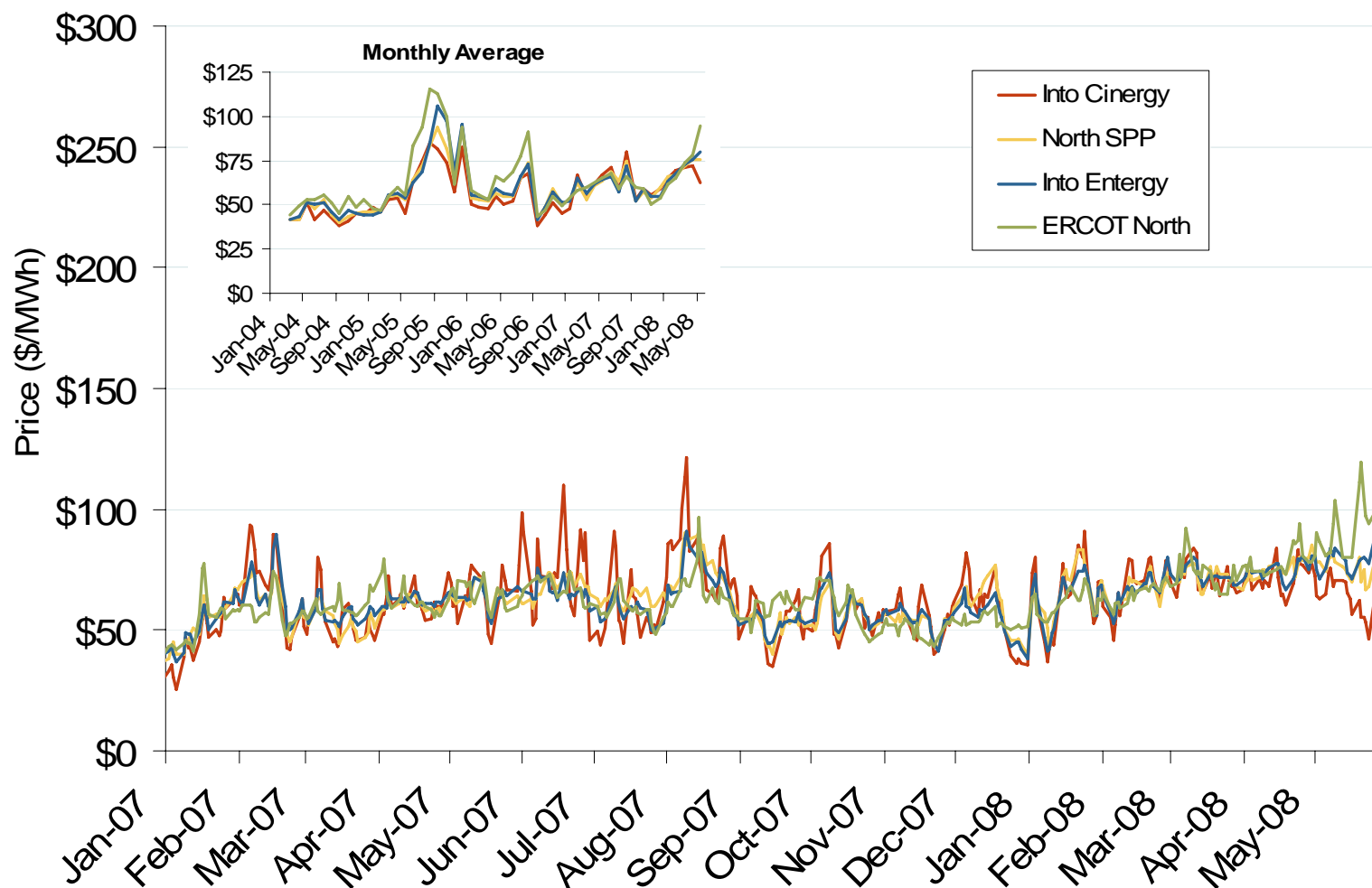


Source: Derived from SPP data.

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1125

## Midwestern Daily Bilateral Day-Ahead On-Peak Prices



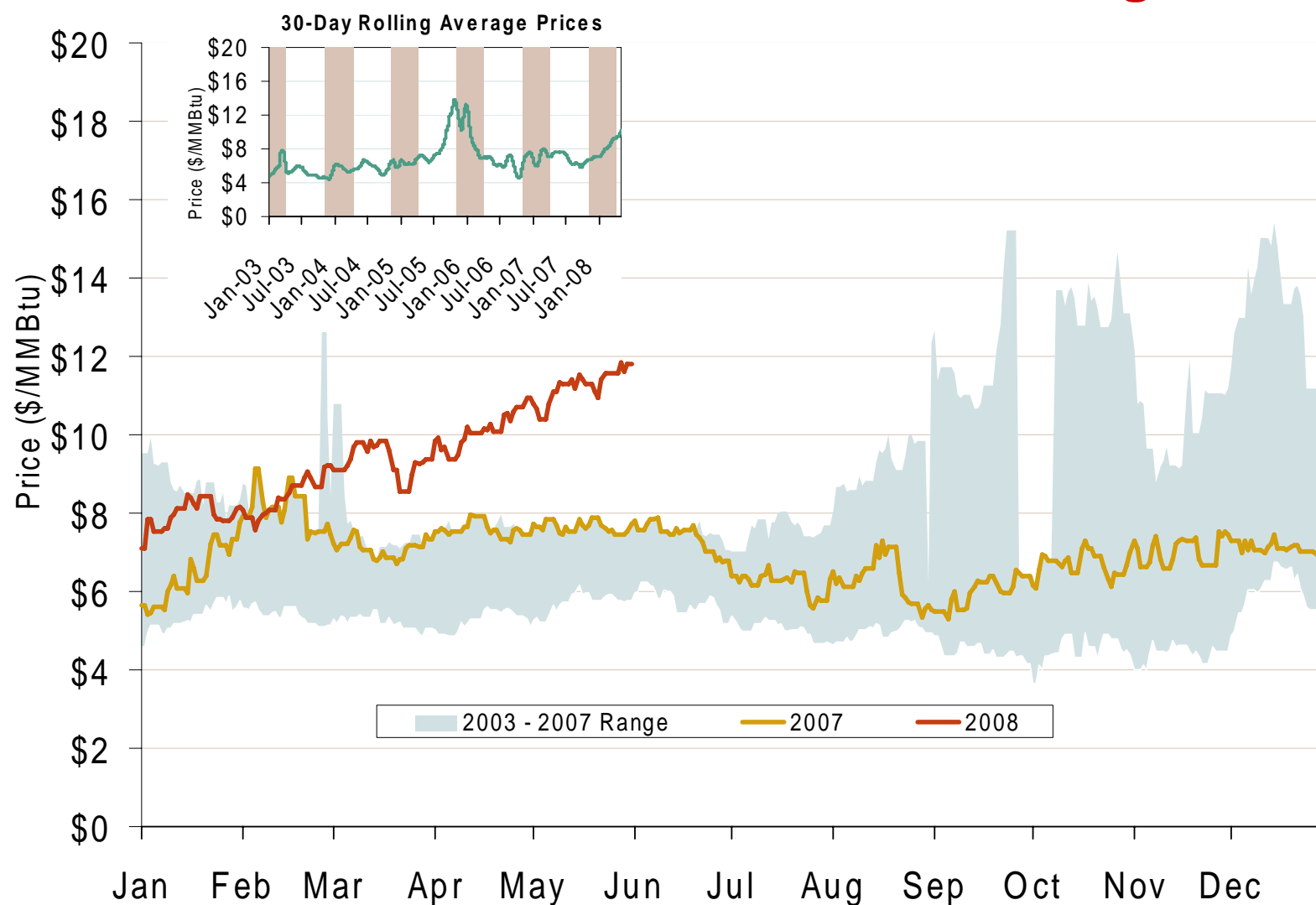
Source: Derived from Platts data.

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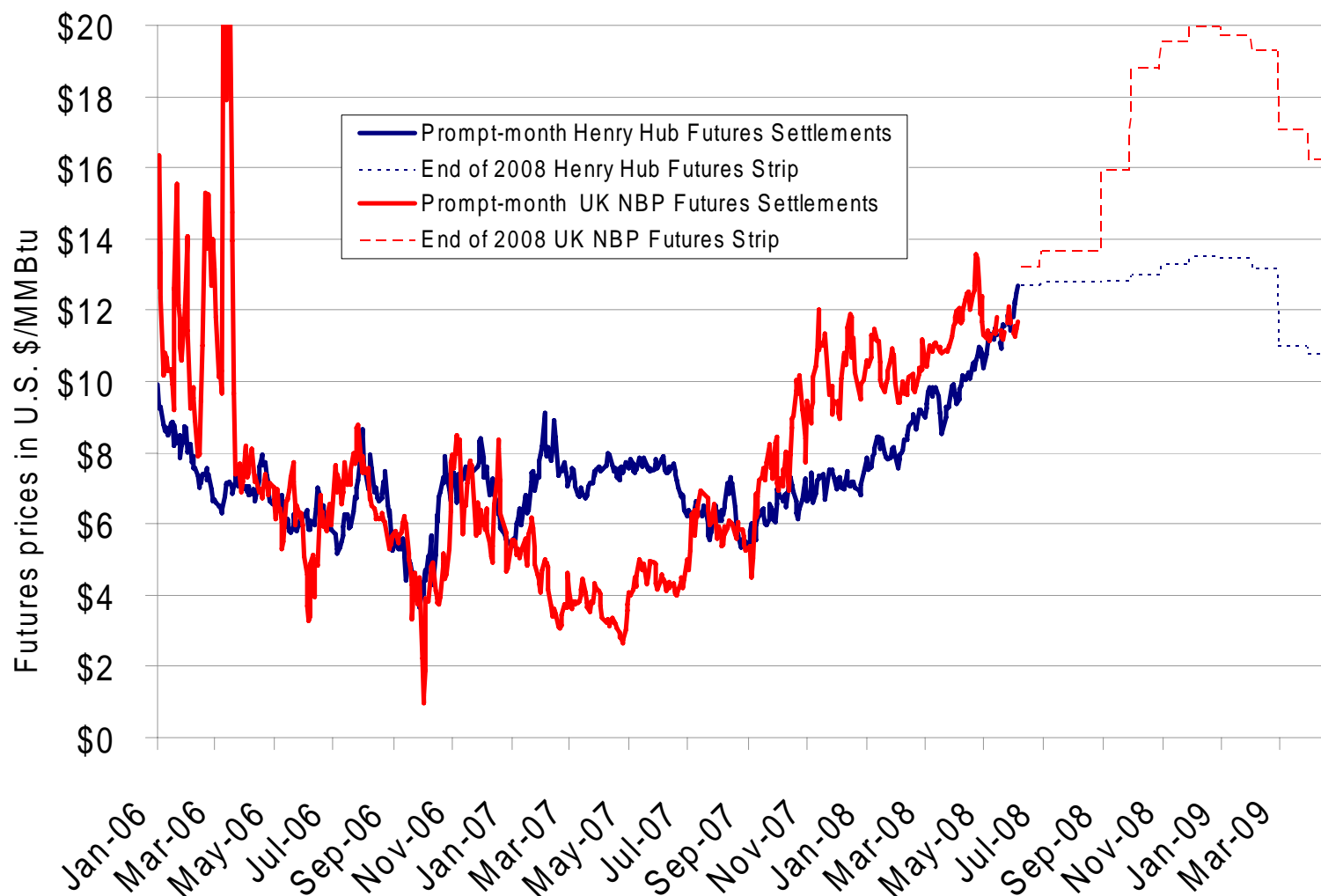
1073

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## Henry Hub Natural Gas Daily Spot Prices 2007, 2008 and 2003-2007 Year Range

Source: Derived from *Platts* data.

## U. S. Gas Futures Prices Rise Above \$6-\$8 Range



Source: Derived from *NYMEX* and *ICE* data.

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## Henry Hub and AECO Prompt-Month Futures Prices

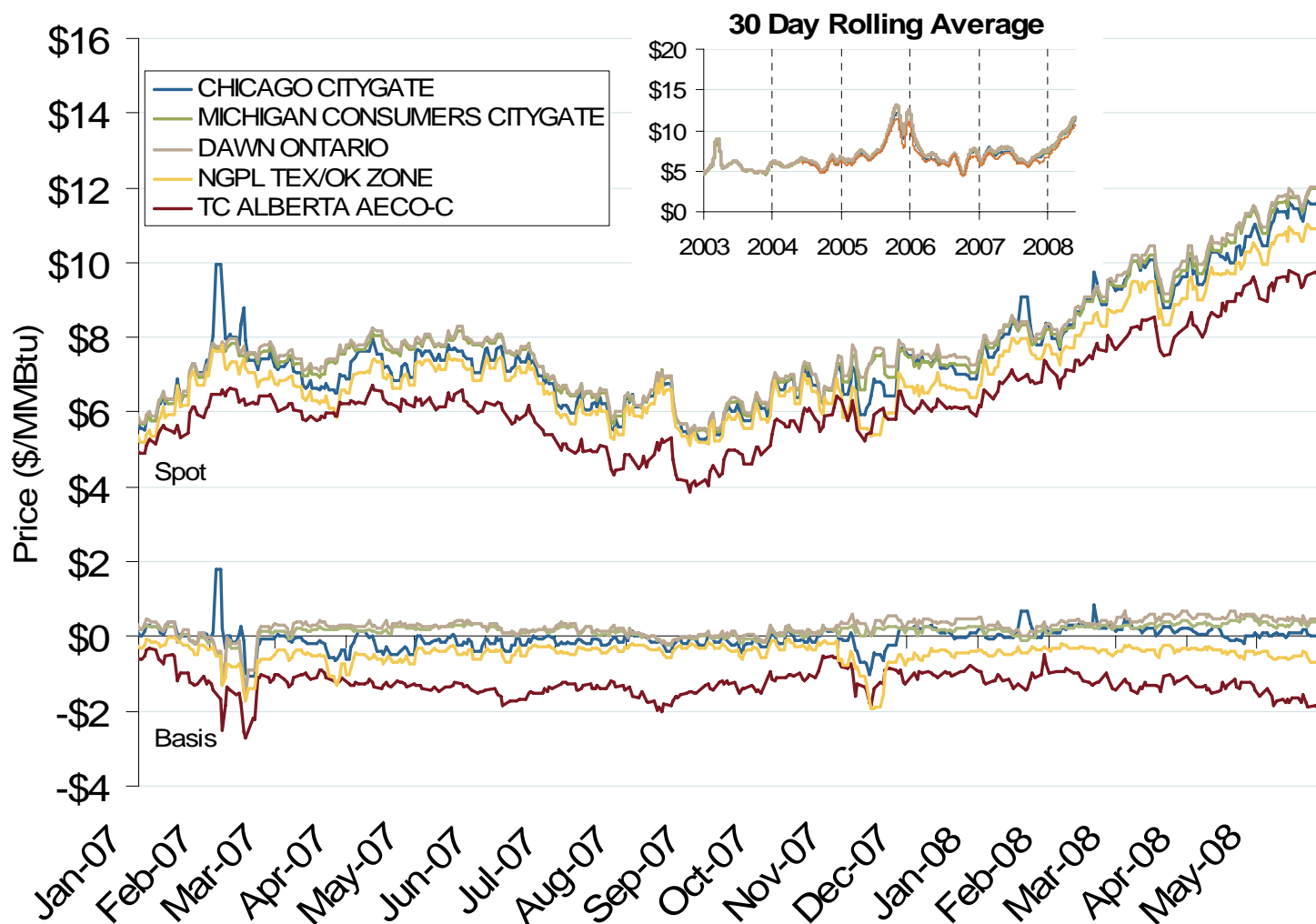


Source: Derived from ICE data.

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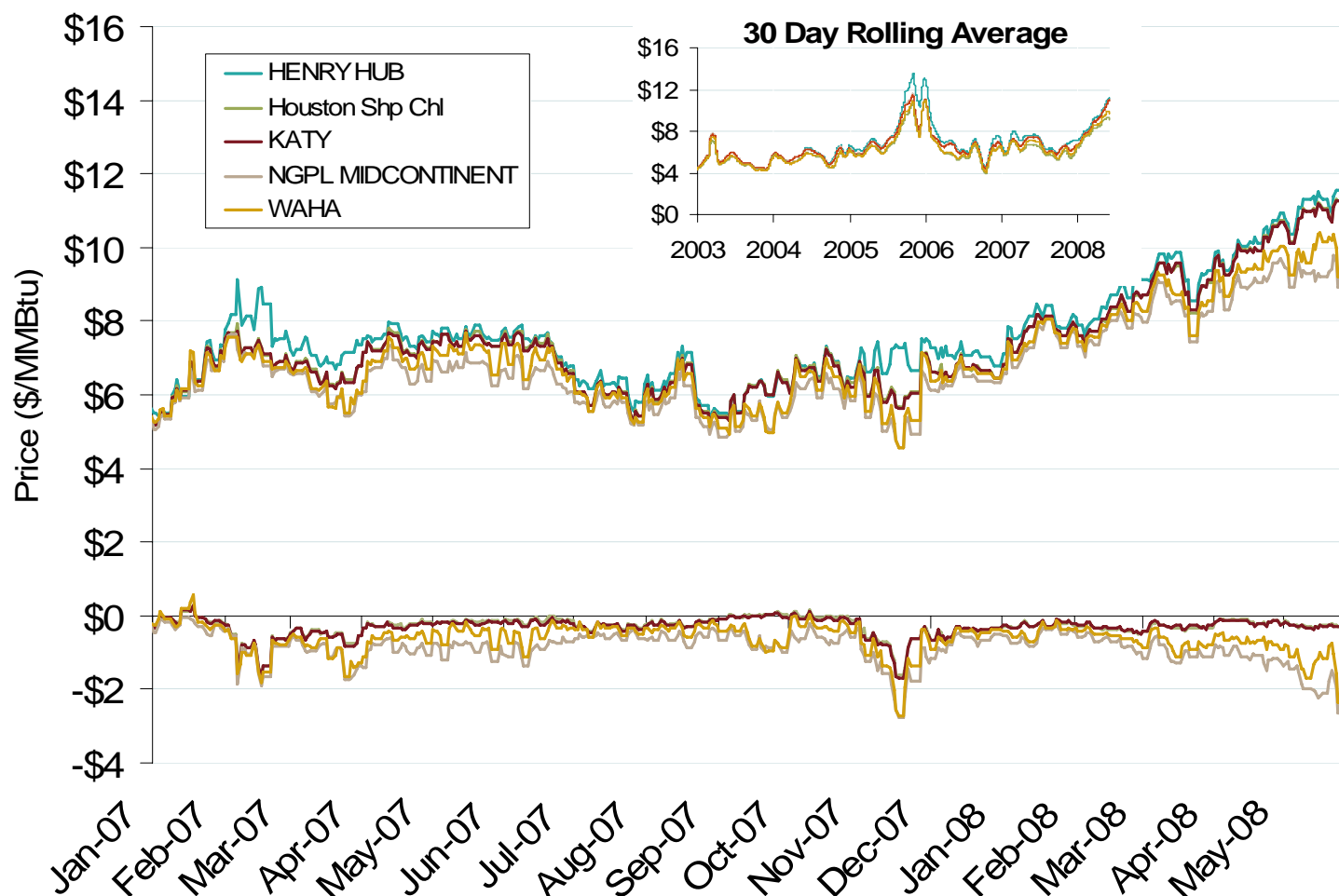
2172

## Midwestern Day-Ahead Hub Spot Prices and Basis

Source: Derived from *Platts* data.

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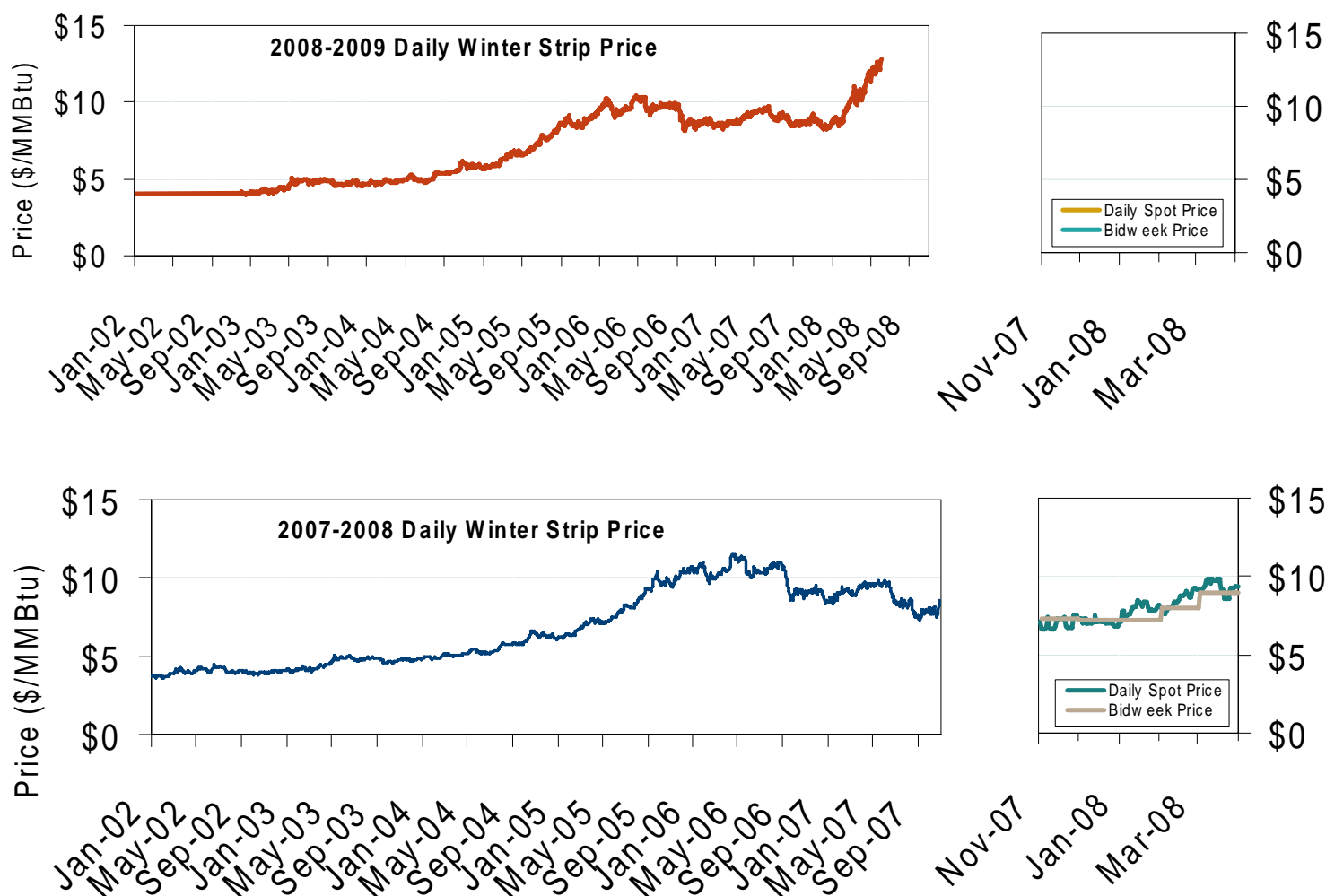
## South Central Day-Ahead Hub Spot Prices and Basis

Source: Derived from *Platts* data.

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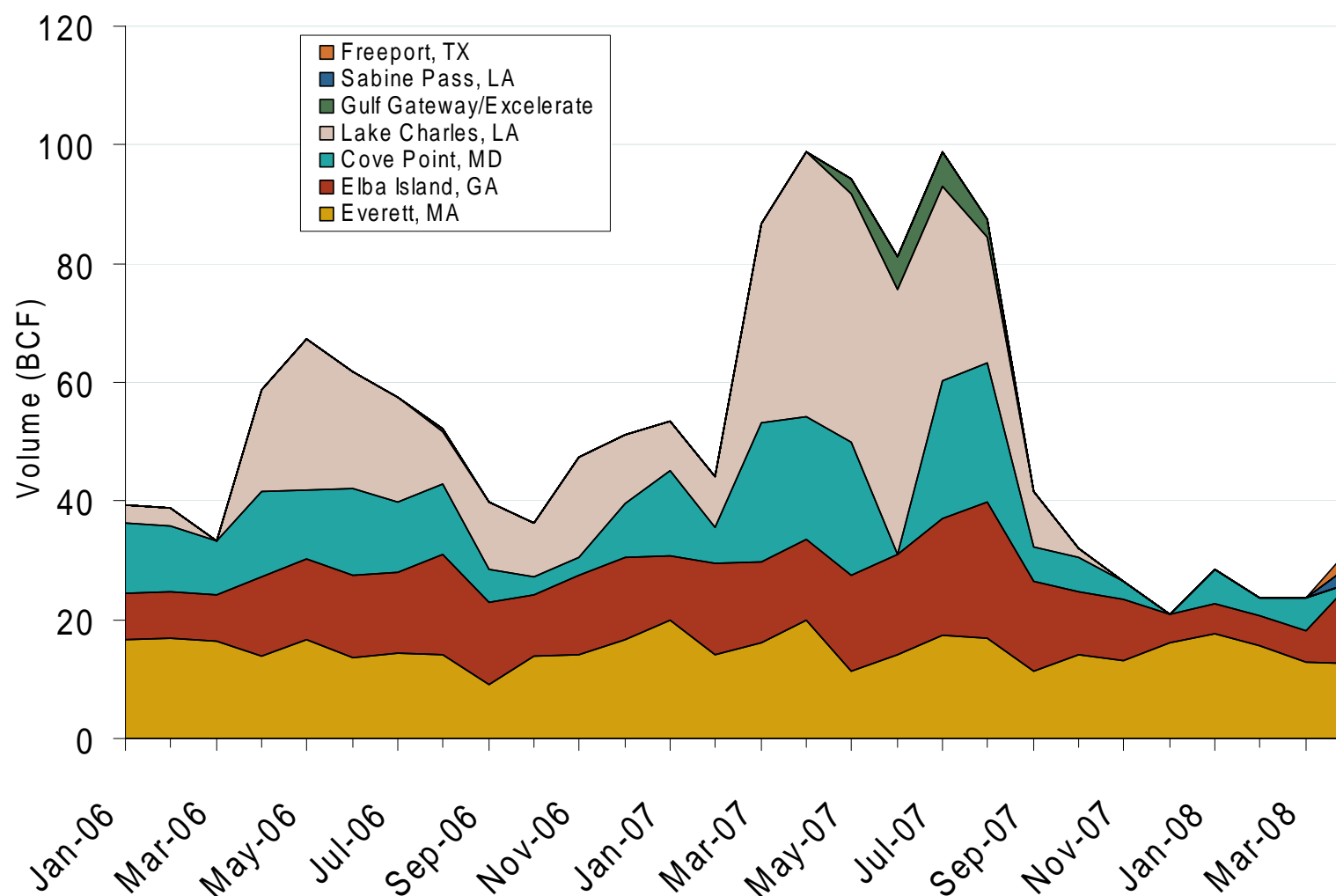
## Natural Gas Winter Futures Strip and Daily Henry Hub Spot and Bidweek Prices

Source: Derived from *Platts* and *Nymex* data.

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## Monthly Gas Imports at Existing U.S. LNG Facilities

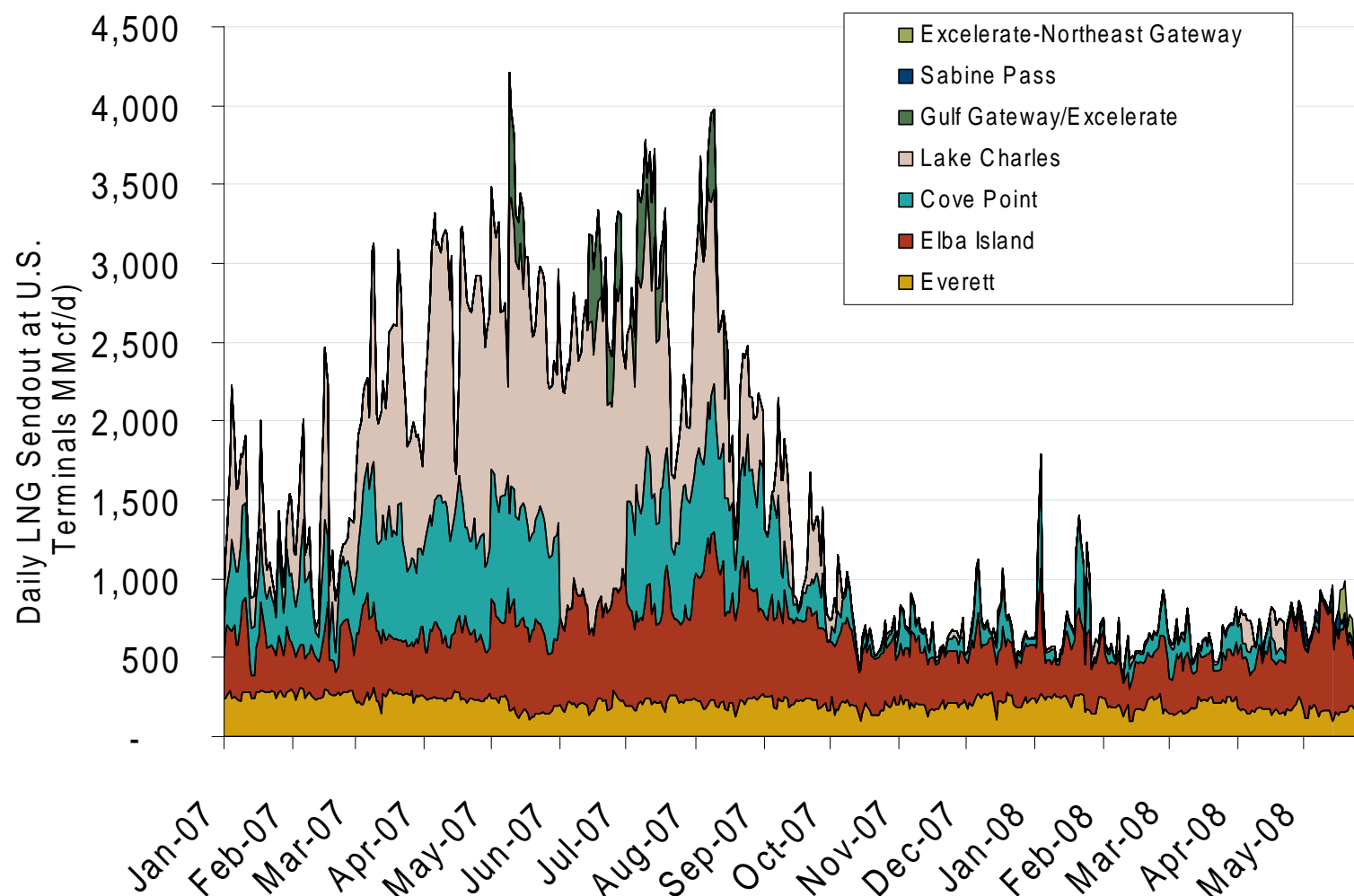


Source: Derived from EIA data.

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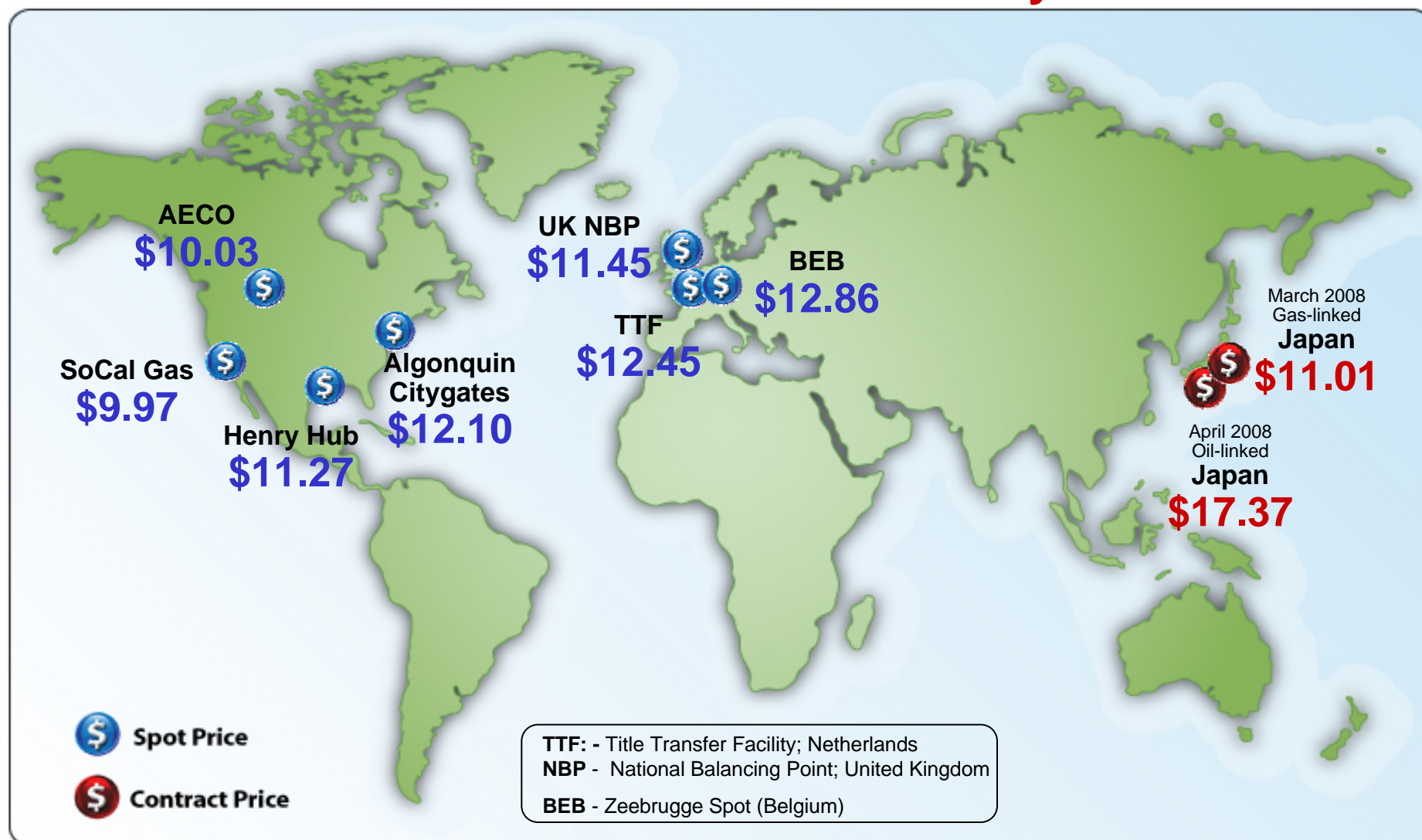
## Daily Gas Sendout from Existing U.S. LNG Facilities



Source: Derived from *Bentek* data. Excludes Everett LNG delivered via truck and consumed by the Mystic plant.

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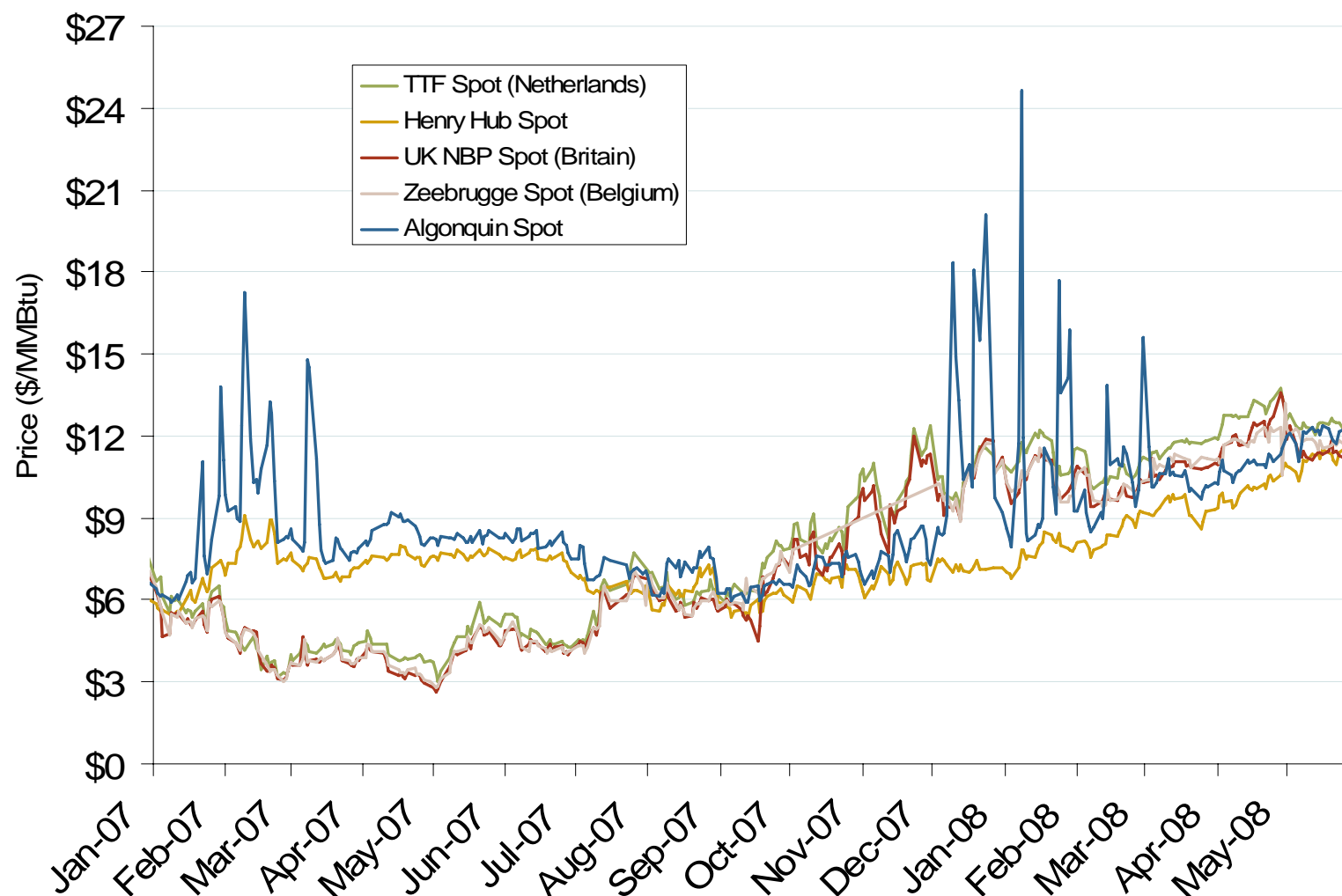
## World Natural Gas Prices for May 2008



Source: Derived from *Bloomberg, ICE, ICAP and LNG Japan Corp.* data. Spot Price is a monthly average of daily prices. Contract Price is a monthly price. All prices in \$US/MMBtu.

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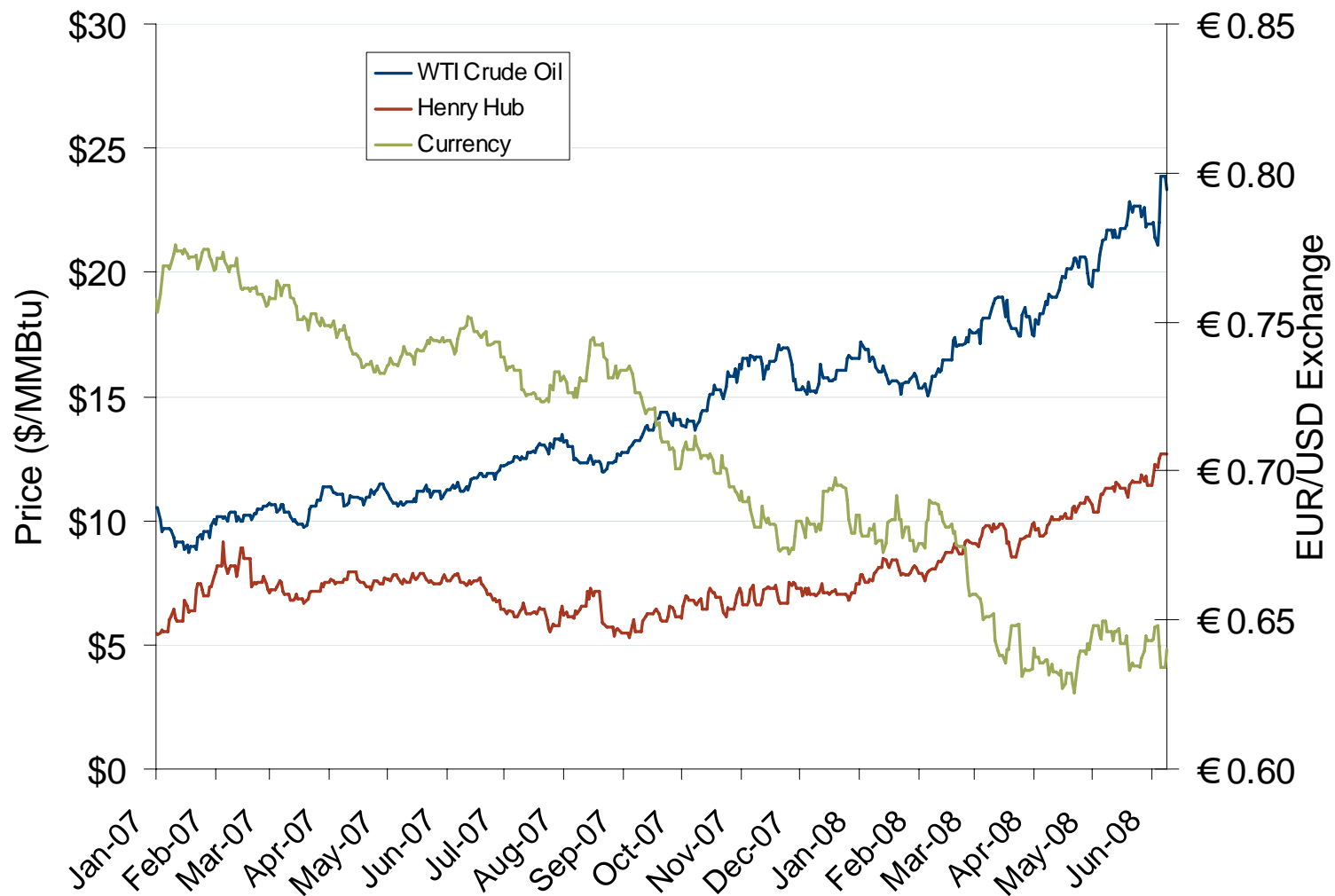
## Atlantic Basin European and US Spot Natural Gas Prices



Source: Derived from *Bloomberg* and *ICE* data.

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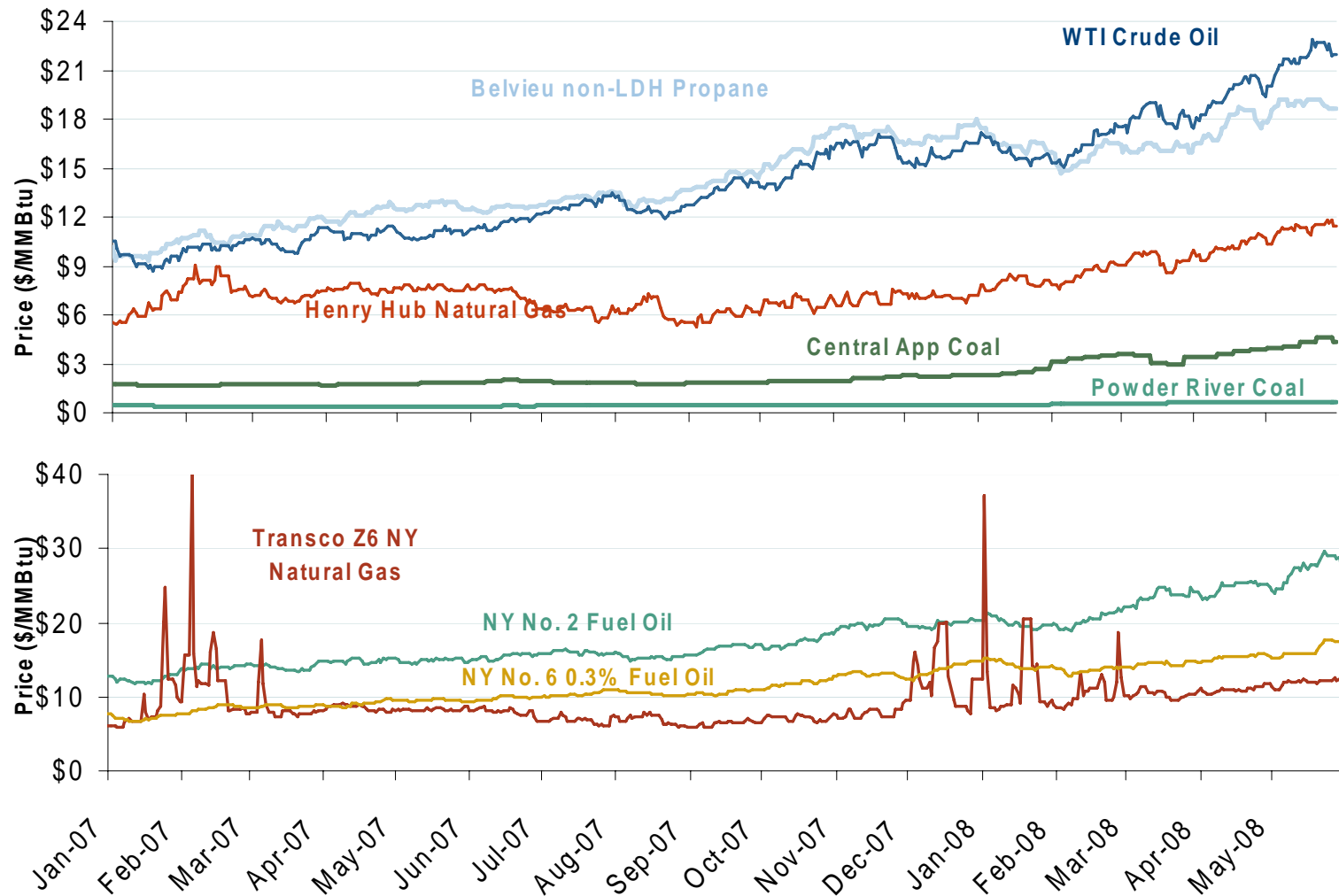
## Oil, Natural Gas and Currency Spot Prices

Source: Derived from *Bloomberg* data.

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# Oil, Coal, Natural Gas and Propane Daily Spot Prices



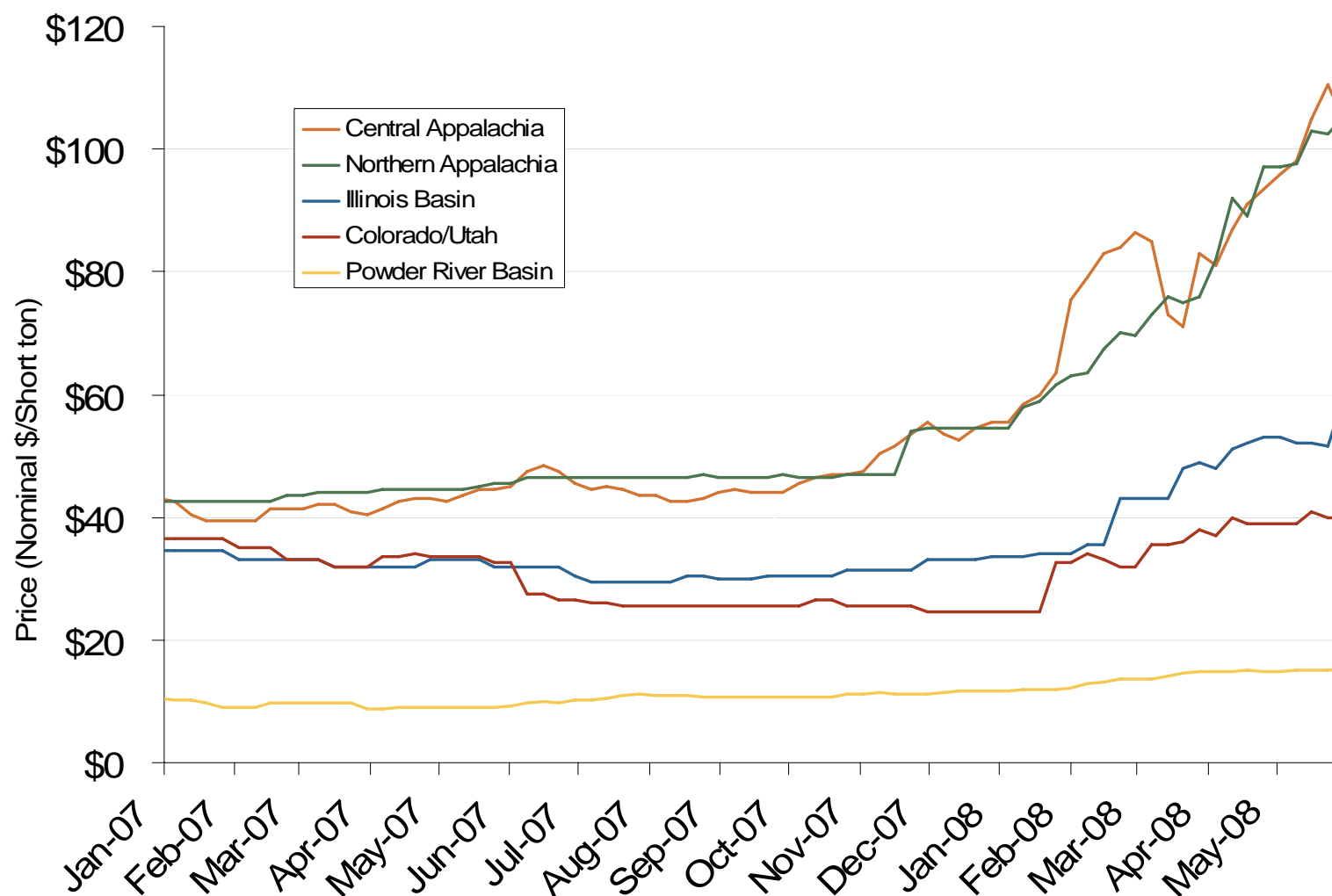
Source: Derived from ICE and Bloomberg data.

Note: Coal prices are quoted in \$/ton. Conversion factors to \$/MMBtu are based on contract specifications of 12,000 btus/pound for Central Appalachian coal and 8800 btus/pound for Powder River Basin coal.

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## Regional Coal Spot Prices

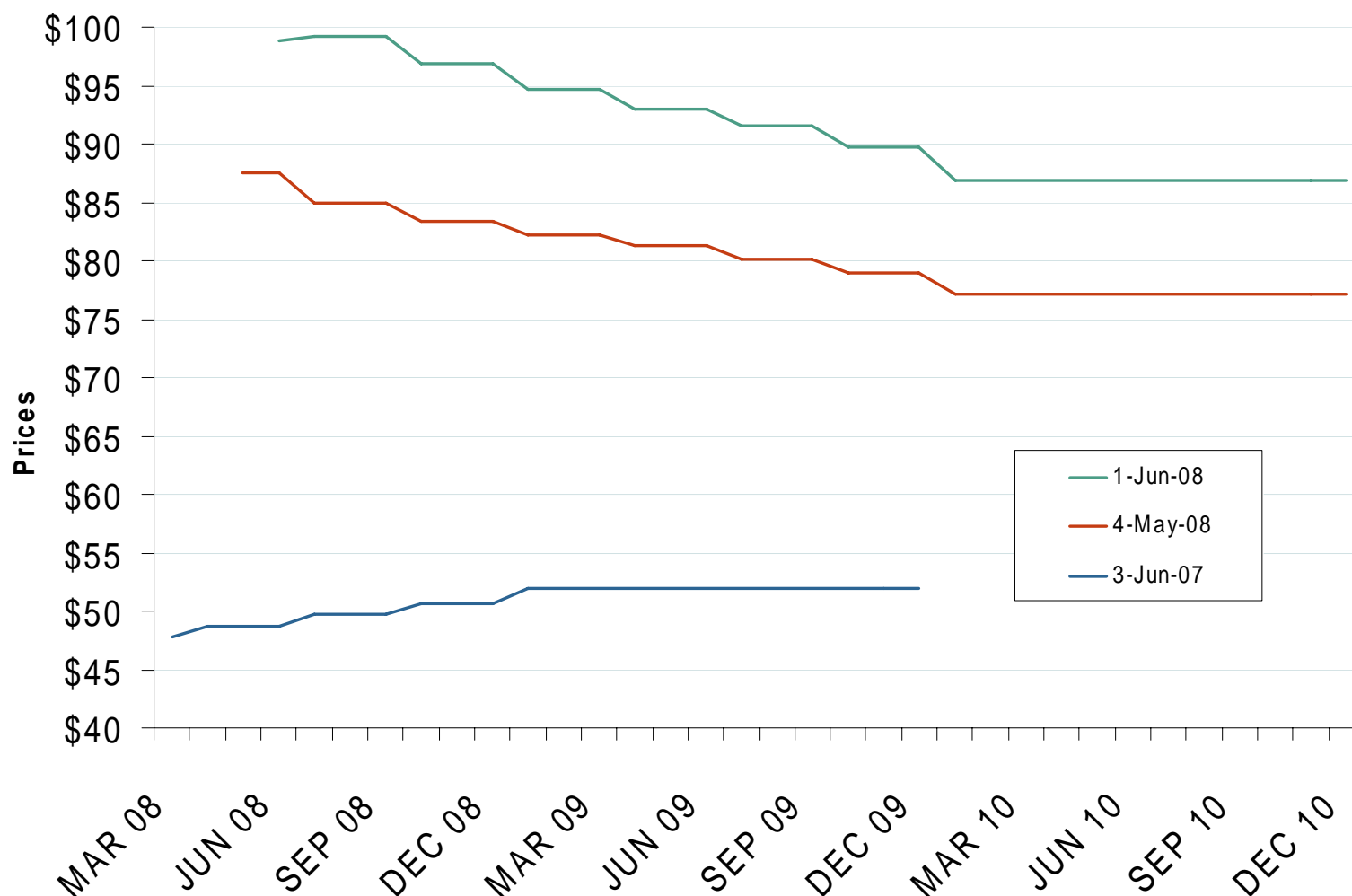


Note: Does not reflect the delivered price of coal; excludes incremental cost of emissions allowances.

Source: Derived from *Bloomberg* data.

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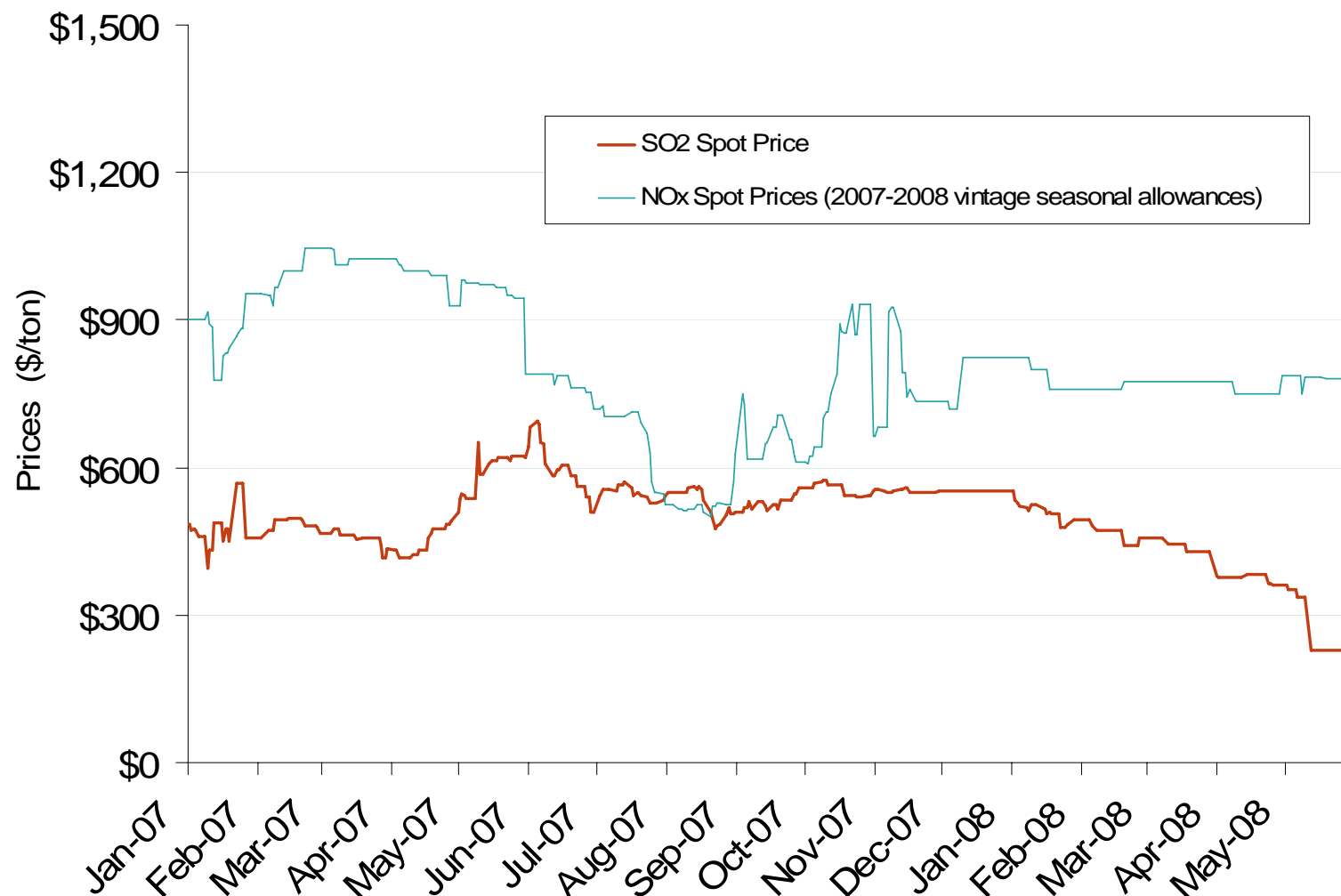
## Central Appalachian Coal Futures Prices



Source: Derived from Nymex data.

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## SO<sub>2</sub> Allowance Spot Prices and NOx Seasonal Allowance Spot Prices

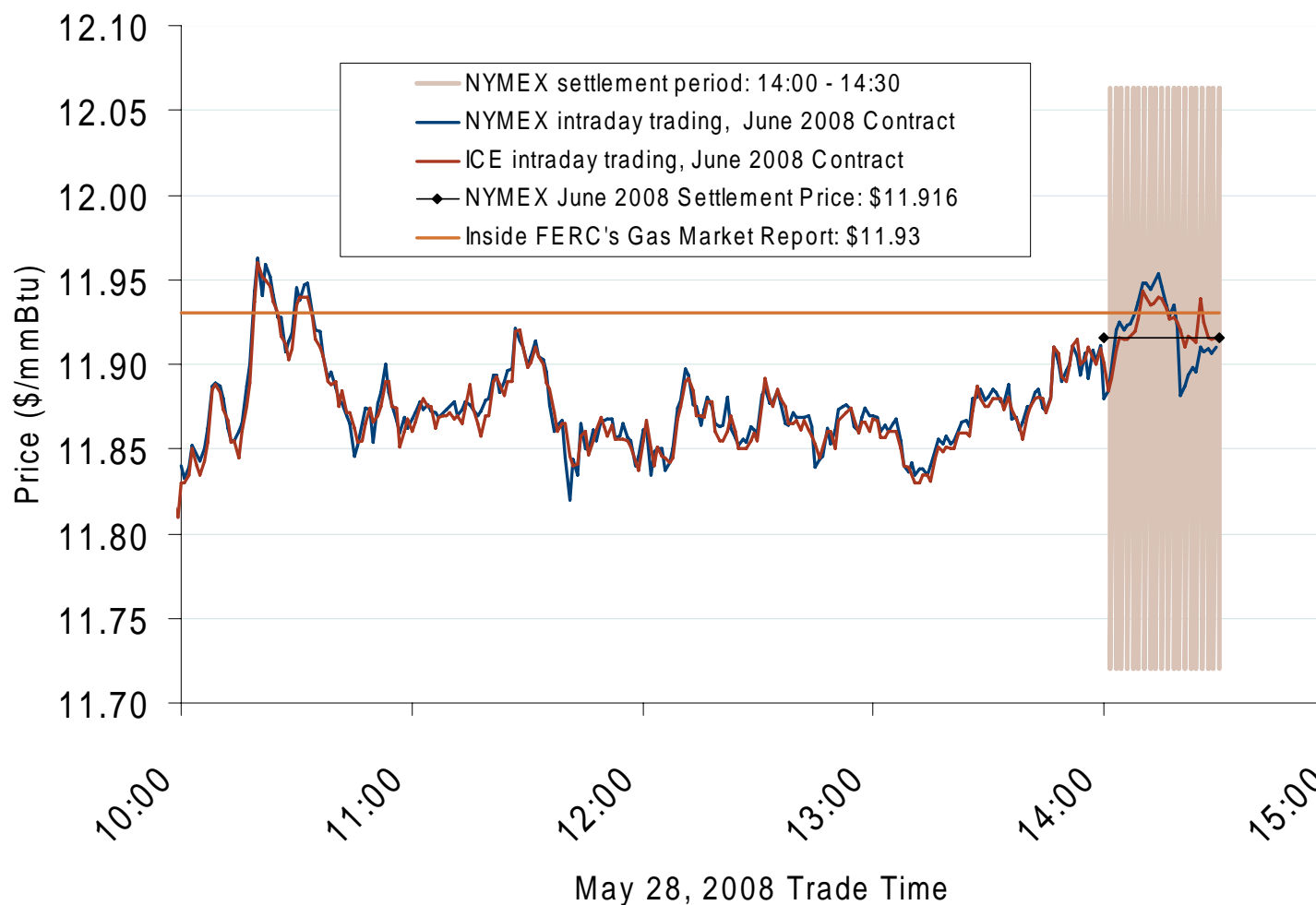


Source: Derived from *Cantor Fitzgerald* data.

See notes on following pages.

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## June 2008 NYMEX and ICE Contract Final Settlement Day



See 2003-2007 historical monthly final settlement day charts.

Source: Derived from *Nymex and ICE* data.

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